



# University of Balochistan



**PROSPECTUS**  
BACHELORS STUDY PROGRAMS  
**2023**



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## Introduction

The Establishment of the University of Balochistan is synchronized with the emergence of Balochistan as a province of Pakistan. The University came into being with the promulgation of the University of Balochistan Ordinance 1970. It is located in a developing region of a developing country, the University has a challenging frame of reference for its functioning. Balochistan is passing through a process of rapid socio-economic development and needs well qualified and competent scientists, professionals, academicians and administrators. The University is cognizant of this need and prepared to provide meaningful higher education to the youth of the province.

The University is committed to develop and sustain an environment conducive to excellence in teaching, learning, research and spread of knowledge. In keeping with the priorities of higher education, the university offers its resources and talent for enrichment and enhancement of quality of life standards through its programs of research and innovations.

The University offers undergraduate, graduate, postgraduate, doctoral and advanced programs of studies in Basic Sciences, Management Business and IT, Life Science, Earth and Environmental Sciences, Education and Humanities, Social Sciences and in Literature and Languages Professional Disciplines. BS four years programme of studies in certain disciplines of science are also offered by the University. Besides, University faculty and students organize and conduct community services for the well-being of the people, provide leadership in all walks of life, develop potential of the students, channelize energies of the youth and strive for reducing the social and cultural differences through knowledge.



### **Vision**

We envision to achieve academic and research excellence, fostering lifelong learning and developing high-quality human capital. We strive to contribute towards sustainable socio-economic development through our commitment to excellence.

### **Mission**

Our mission is to nurture motivated professionals, scholars, and practitioners who uphold strong ethical values. We aim to achieve sustainability in both environmental and socio-economic dimensions, making significant contributions and collaborations in an increasingly technologically advanced world.

### **Our Values**

- Leadership
- Integrity
- Innovation
- Team Work
- Ethics
- Commitment

## Governance

- The Governor of Balochistan is the Chancellor of the University. The University Senate is chaired by the Chancellor, which is the Supreme Governing/ Legislative Body of the University.
- The Vice Chancellor is the Chief Executive of the University. He chairs the Syndicate, the Executive Body of the University, and all other statutory bodies.

## Administration

- Chancellor
- Vice Chancellor
- Pro Vice Chancellor
- Registrar
- Controller of Examinations
- Treasurer
- Director General (SA)
- Director General (Administration)
- Director General (P&D)
- Director General (E&W)
- Director, Quality Assurance & Accreditation Directorate (QAAD)
- Director, Office of Research Innovation & Commercialization (ORIC)
- Chairman, Graduate Studies Office (GSO)
- Chairman (FTDC)





## Office of the Undergraduate Studies (UGSO)

- The undergraduate studies office plays the role of chief arbitrator in all academic/non-academic matters concerning the students
- The UGSO performs duties pertaining to academic, financial extra-curricular and miscellaneous matters and coordination with the registrar/chairpersons of departments and deans. Its duties are as follows:
  - Online admissions of students under category A, B and C
  - Migration from University to University
  - Cases of dropout students
  - Arrange meetings to resolve activities and rules of student through academic.
- Mid & terminal exam schedule for all discipline.
- Cases of the student getting semester break.
- To organize all departments student data online through UGSO software.
- Students clearance and library card verification.

## Office of Co-curricular Engagement and Learning

Co-Curricular activities, voluntarily undertaken by students and not a part of the formal academic curriculum, play a vital role in their educational journey. These activities encompass various areas, such as debates, speeches, calligraphy, photography, painting, music, poetry, short film, and poster making, among others. They serve as valuable complements to the academic curriculum, offering students opportunities for learning, skill development, personal growth, and social interaction.

Through co-curricular activities like field trips, tours, and excursions, students gain exposure to different cultures, customs, and practices, fostering a sense of harmony and unity within society. Involvement in community work allows them to interact with diverse individuals and develop adaptability. Additionally, working together in groups during these activities fosters a strong sense of belongingness.

The primary objective of these activities is to provide a platform for students to showcase and promote their talents. Moreover, engaging in co-curricular activities reveals a student's alertness, curiosity, clarity, and activeness.

The significance of co-curricular activities in a student's career is manifold:

- They offer a chance for students to explore their interests and talents.
- Participation helps in developing a balanced personality.
- They advocate teamwork skills.
- Improved academic performance can be a result of involvement in these activities.
- Co-curricular activities enhance social skills and boost confidence.
- They contribute to physical health and well-being.
- A sense of belonging and community spirit is fostered.
- Leadership skills are cultivated through such activities.
- They provide opportunities for personal growth and development.
- Co-curricular activities are enjoyable and fun-filled.
- They serve as a healthy outlet for stress and anxiety.

In conclusion, co-curricular activities are invaluable components of a student's educational journey, contributing significantly to their holistic growth and development.

#### Directorate of Sport and Recreation

- The youth center often provides a range of recreational and leisure activities for students to engage in during their free time. This may include board games, video games, arts and crafts, movie screenings, and more.
- Youth center Sports Section frequently organize sports and fitness programs, including sports leagues and gym facilities. These activities aim to promote physical well-being and a healthy lifestyle among students.
- The sports office oversees various athletic teams representing the university in intercollegiate competitions and tournaments. This includes sports like football, basketball, volleyball, cricket, etc.
- The sports office is responsible for managing and maintaining sports facilities, such as sports fields, courts, gymnasiums, and other sports-related infrastructure.

#### Office of Financial Aid and Scholarships

- The University Advancement/ Financial Aid (UAFA) office was established with the collaboration of Higher Education Commission (HEC) in University of Balochistan for financial support to the students who are unable to pursue University level education due to limited financial resources.
- The University of Balochistan constituted an Institutional Scholarship Award Committee (ISAC) to finally evaluate and select the deserving students for HEC-Benazir Undergraduate Scholarship Program (BUSP).
- The Government of Balochistan announces Balochistan Educational Endowment Fund (BEEF) and Punjab Educational Endowment Fund (PEEF) time to time and the (UAFA) facilitate the students for the BEEF and PEEF scholarships.

#### **Contact Us:**

University Advancement/ Financial Aid (UAFA),  
Administration Block, 1<sup>st</sup> Floor, Room#7,  
University of Balochistan, Quetta.  
Tel: +92 81 9211836

#### Office of Academic Advisement and Educational Counseling

- Office of the Academic advisement and Education Counseling assist the students to achieve their academic and carrier goals. The office assists students to make informed decision regarding their educational plan, course selection, program requirements, degree planning and in selecting majors in a specific field of study. Moreover, the office also guide students to register for their courses, to get connected with curricular and co-curricular activities during an academic calendar. The office

welcomes the students with orientations of academic programs in all faculties. Program requirements, grading policies and academic rules and regulations are explained by our advisors in the said orientations. Advisors may refer students to tutoring services, writing centers, or other academic support programs that can help them improve their study skills and overcome academic challenges.

- Our Advisors also provides guideline on academic policies, registration procedures, requirements for graduation, ensuring students understand and comply with institutional guidelines.
- Educational counselling is needed to make a conducive environment for education and to promote academic success. Our Educational counselors provide guidance on various issues that can impact students' academic success, such as time management, study skills, stress management, and goal setting. They may also help students identify and overcome personal obstacles or challenges that may be affecting their academic performance.
- The office also monitor students' academic progress, identifying potential issues and intervening when necessary to provide additional support or resources.

#### Office of Career Services and Internships

- The Office of Career Counseling and Internship is a dedicated department within our youth Development center that works as a complete resource center for students and young professionals to navigate their academic and career journeys successfully. The office aim to empower individuals with the knowledge, tools, and support they need to make informed decisions about their future, whether it's exploring potential career paths, securing internships, or developing essential professional skills
- Our team of experienced career counselors is committed to assisting students in identifying and pursuing career paths that align with their passions, strengths, and long-term goals. Through personalized one-on-one counseling sessions, we help students explore different industries, understand job market trends, and map out their academic and career plans. Career assessments, workshops, and mock interviews are just a few of the services we offer to equip students with the skills and confidence needed to thrive in their chosen fields.
- Our office actively collaborates with a wide network of employers and organizations to provide students with access to diverse and enriching internship opportunities. Our internship coordinators work closely with both students and employers to ensure mutually beneficial experiences. From resume reviews and interview preparations to on-site visits and regular check-ins, we strive to make internships a transformative stepping stone towards professional growth.

#### Center for Innovation and Entrepreneurship

- If you have an idea and you are curious about transforming your ideas into a business, product, or service our programs, activities,
- and events will introduce to you entrepreneurship as a viable career path. Our coaches, mentors, and resources will take your ideas to the next step.
- If you have already founded a business, we will provide guidance and insight to help you to grow and scale up your business.
- If your business needs funding, we will connect you to the potential investors.
- If you need space, we will provide it?
- If you want to enhance your entrepreneurial skills, we will help you.

## Balochistan at a Glance



Balochistan area wise is the largest province of Pakistan, covering 44% of the country's area, but is home to only 5% of the country's population. Its strengths lie in its wealth of natural resources, the vast rangeland, the coastal belt with 1100 km of coastline, and rich mineral and hydrocarbon deposits. Balochistan is a land of diversity, mountains rich of minerals, coastal land, uplands, plains and deserts, having a diverse flora & fauna and land of great difference and contrast.

The Government of Balochistan is providing basic infrastructure of roads and development of human resources to create a more conducive environment, for inclusive development.

Agriculture and livestock dominate the Balochistan economy. Horticultural development is a fairly recent phenomenon with a great potential. Other economic sectors where investment rate is high including, fisheries, mining, manufacturing industries, trade and other services being rendered by public and private sector organizations in the province.

The Government of Pakistan has initiated the construction of the country's third deep-sea port project at Gwadar and CEPEC with the Chinese Government. This project will not

only give stimulus to the development activities in Gwadar town itself but to the adjoining areas also. Makran Coastal Highway is acting as further catalyst for development of the entire Makran Coastal area of Balochistan through fisheries, tourism and trading point of view.



Balochistan provides highly developed industrial estate facilities in the province. These estates cater to all types of industry needs and are well supplied with a wide range of infrastructure and related services which include Quetta Industrial & Trading Estate, Hub Industrial & Trading Estate (HITE), Uthal Industrial Estate, Marble City etc. The Major sectors for investment in Balochistan are Minerals, Agriculture, Horticulture, Fisheries, Livestock, Tourism and Oil & Gas etc.

## Our City

Mountainous, Vibrant, and friendly, Quetta is considered as hill station of the province of Balochistan.

### Where the city meets the campus

Quetta city is a bowl shaped structure and valley, surrounded by mountains peaks on its three sides. On the southern fringe of the city, the University of Quetta's campus is located on the main highway connecting Karachi with Quetta. Away from the University towards north the, multicultural culinary delights, arts and culture, and shopping Malls of Quetta enhances the beauty of the city. The Great Hana Lack is located in the north east of the city, which attracts visitor in all seasons In the East of the city, the Mehrdar Mountains runs parallel and connects with the Takatu and Zarghoon hills in the North and Northeast. While the city is bordered with Chiltan Mountains in the west running towards the south of the city. The city hosts an international airport, state of the art hospitals, shopping malls, and diverse cultural handicrafts, dry fruits are some of the unique features of the city.



### Out and about

Eat breakfast in a café, visit and spend the afternoon shopping, or find out why Quetta is Pakistan's fruit basket capital, or take a day trip and explore the stunning natural beauty of Hana Lack.



## Our campus

You will feel at home the moment you step onto the University of Balochistan.

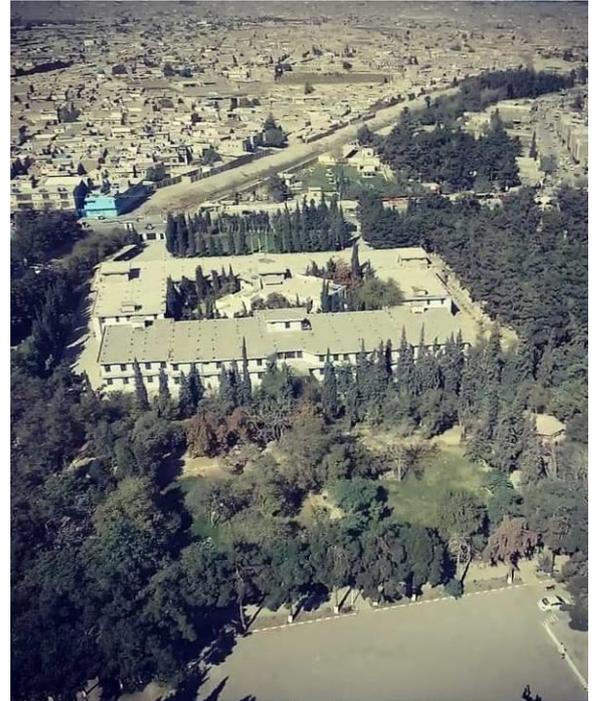
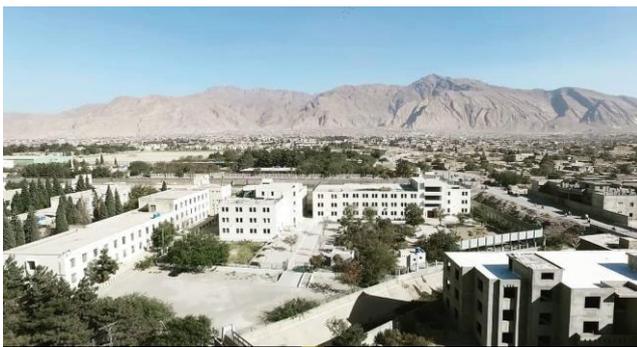
The entry point to the campus is from the main highway Seryab Road which connects Karachi with Quetta. The campus has different Blocks such as Science, Arts, languages, Administration, Examination, central Library, Botanical Garden, Boys & Girl Hostels and three centers for advanced Studies.

### Cutting-edge facilities

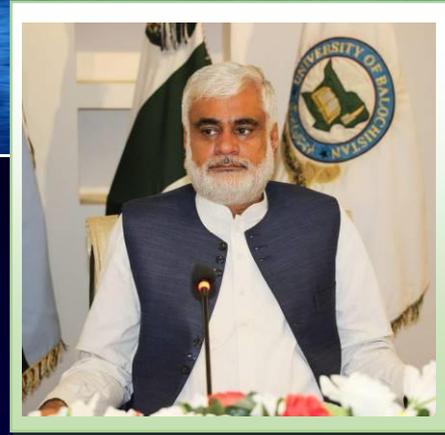
Our new, sustainable, state-of-the-art, buildings and teaching facilities are designed for optimal learning experiences. And, standing next to our iconic Expo Center & Playground, they make our campus even more spectacular.

### A city within a city

Our campus is like a city within a city – it even has its own facilities like shopping center, Bank, Masque, cafés, libraries, gym, specialty shops, a small supermarket you'll never have to leave!



# Vice-Chancellors' Message



Dear Prospective Students,

It is with great pleasure and enthusiasm that I welcome you to the University of Balochistan, Quetta, through our official prospectus for the year 2023.

As the Vice Chancellor of this esteemed institution, I am honored to lead a university that is committed to academic excellence, research, and holistic development. Our university has a rich heritage of knowledge dissemination and has consistently played a vital role in shaping the intellectual landscape of Balochistan.

At the University of Balochistan, we believe that education is the cornerstone of progress and societal development. We are dedicated to provide a transformative learning experience that empowers our students to become future leaders, critical thinkers, and change agents in their respective fields.

Our comprehensive range of academic programs spans across diverse disciplines, catering to the dynamic needs of today's world. From arts and humanities to sciences, business, and social sciences, we offer a plethora of opportunities for you to explore and specialize in your areas of interest.

Our distinguished faculty members are not just exceptional educators, but also accomplished researchers and scholars. They bring a wealth of knowledge and expertise to the classroom, ensuring that you receive a well-rounded education that is both intellectually stimulating and practically applicable.

In addition to academic rigor, we place great emphasis on fostering a nurturing and inclusive campus environment. Our state-of-the-art facilities, libraries, laboratories, and research centers provide the necessary resources to support your academic pursuits and encourage a culture of innovation.

Moreover, we believe that education extends beyond the classroom. Our university offers a vibrant student life with a wide range of extracurricular activities, clubs, and societies that enable you to pursue your passions, develop leadership skills, and form lifelong friendships.

As you embark on this exciting chapter of your academic journey, I urge you to seize every opportunity that comes your way. Engage in research projects, participate in internships, embrace community service, and challenge yourself to think beyond boundaries. Your time at the University of Balochistan will be transformative, equipping you with the knowledge, skills, and character to make a positive impact on society.

I encourage you to peruse this prospectus thoroughly, exploring the programs, facilities, and opportunities that await you. Should you choose to join our university, we promise to provide you with a nurturing and intellectually stimulating environment that will shape your future and unlock your true potential.

On behalf of the University of Balochistan, I extend my warmest welcome to you. Together, let us embark on a journey of knowledge, growth, and success.

**(Dr. Shafiq-ur-Rehman)**  
Vice Chancellor

## Pro-Vice Chancellor's Message

Welcome to University of Balochistan! We are happy to have you join the UOB family. As you begin your academic career, you are embarking on a path full of promise and hope. The division of student life is committed to working with you and challenging you on this wonderful journey to take full advantage of the opportunities you will find at this great institution.



We are dedicated to meeting the needs of all students. We have committed faculty and outstanding staff, a beautiful campus and an atmosphere conducive to your academic goals. Students are most successful in the university setting if they make connections. Whether you are planning to commute or stay on campus, getting involved in student life will take you a step further in your journey.

Walk the campus, ask questions, meet faculty and staff, and learn all you can about your university. Study hard, get involved and have fun. These are the best of times for you. We are here to help in any way we can. We hope you reach all of your goals and realize all your dreams.

I'll see you around campus.

**Prof. Dr. Syed Ainuddin**  
Pro- Vice Chancellor

# Registrar's Message

Dear Students

Being Registrar University of Balochistan, it gives me pleasure to welcome you in one of the oldest and premier Universities of Balochistan, Quetta. Indeed, it is a matter of pride and honor for us that you have chosen University of Balochistan for making your future.



Dear Students, excellence, integrity, tolerance, and diversity are the values which add force to the University's processes and growth. Our success lies in our educational approach, personal and professional development of students. Students are free to pursue their education and co-curricular activities in a traditionally diversified educational environment. Our students are of different age groups who come from different regions and backgrounds as well as different countries of the world. They bring a wide range of viewpoints, special interests, and talents to enrich our educational community.

The Registrar Office facilitates the admission process from one end to the other end. The office strictly observes the merit principle and addresses student's genuine grievances through a systematized approach to ensure timely completion of admission process in a comprehensive manner. The Registrar office appreciates comments and suggestions from all quarters for the improvement of its system to make it more efficient and delivering.

We assure you best educational and research atmosphere at University of Balochistan and hope you will come to learn and leave to serve.

**Mohammad Tariq Jomezai**

Registrar

## Beyond the classroom

Experience matters. Make it count.

### Internships

Internships are a great way to get first-hand industry experience and figure out if your dream career is right for you. Our students have interned in leading companies and institutions nationally and internationally, paving the way to fulfilling and exciting careers.

### Leadership and involvement opportunities

Employers love to see leadership experience on your résumé – and we love to help you get it! At university of Baluchistan you can:

- Take part in leadership conferences
- Participate in peer mentoring programs
- Engage in community projects and partner with organizations to make it happen

### Volunteering

Take your skills into the community, contribute to a cause you are passionate about, and make a difference! You can volunteer in University of Baluchistan, elsewhere or even go overseas. In many cases your experience can count towards your degree. University of Baluchistan cater volunteers through “UOBIANS” volunteer group.





# PROSPECTUS

BACHELORS STUDY PROGRAMS  
2023



## Faculty of Physical, Earth & Environmental Sciences:

- ▼ Physics
- ▼ Chemistry
- ▼ Mathematics
- ▼ Statistics
- ▼ Computer Science & IT
- ▼ Geology
- ▼ Renewable Energy
- ▼ Geophysics
- ▼ Environmental Science



# PHYSICS

## Program(s)

BS (Physics)

## Eligibility

F.Sc Pre- Engineering, ICS, A-Level Cambridge (with Mathematics and Physics) and Three year polytechnic degree with Physics and Mathematics.

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of Physics is one of the three pioneering science departments, which was introduced since inception of the University of Balochistan, Quetta in 1971. In the first batch ten students were enrolled for a two year M.Sc. degree course with four teaching staff members. A three years B.Sc. (Honours) course was also introduced in 1976 which was later abolished in 1992. Over a span of forty-five years the department has expanded many folds and has produced thousands of M.Sc. in Physics. First time regular classes of M.Phil and PhD started in 2014 on semester system. In this first batch 11 scholars of M.Phil and 11 Scholars of PhD successfully completed their course work. The department of Physics emphasize the researchers in physics of nanotechnology, communication system, condense matter physics, and modeling and simulation. The graduates of this department are not only working in prestigious institutes/organizations/universities of Pakistan but are also serving as faculty members of foreign universities.

## Objectives

- Physics is a fundamental science which exerts a vital and dominant role in the development of other scientific disciplines. Physics has also a direct impact on society and economy because the present civilization is strongly influenced by science and technology. Physics has always an asset of technologically advanced countries. Physics bred the technologies and new sciences of the past and till to date, is breeding new technologies and sciences. The main objectives of Department of Physics are,
- To prepare qualified and focused professionals in the subject of Physics to meet the future needs of educational institutes and industry.
- To prepare researchers to meet the emerging needs of industry and research organizations.
- To develop the department as a centre of excellence in Physics teaching and research in the province of Balochistan.

## Vocational Job Opportunities/ Marketability of Graduates

- Pakistan Atomic Energy Commission (PAEC), KRL, SUPARCO, CENAR, PNRA, Geological survey of Pakistan, IT based Services, various industries dealing in Scientific and Electronic equipments, Provincial and Federal Schools, Colleges, Universities, and Research Institutes, Multinational companies.

Semester Breakup							
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	Mechanics-I	Calculus-I	Introduction to Computer	Islamic Studies	English-I (Functional English and Grammar)	-
	Course Code	PHY-601	Math-601	CS-601	ISL-601	ENG-601	-
	Credit Hrs.	4(3-1)	4(4-0)	3(3-0)	2(2-0)	3(3-0)	-
	<b>Sem-2</b> Total 20 Credit Hrs.	Electricity & Magnetism	Heat & Thermodynamics	Introduction to Statistics and Probability	Calculus-II	Pakistan Studies	English-II (Technical Writing)
	Course Code	PHY-602	PHY-603	STAT-601	MATH-602	PST-601	ENG-602
Credit Hrs.	4(3-1)	4(3-1)	3(3-0)	4(4-0)	2(2-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Waves and Oscillation	Modern Physics-I	Linear Algebra	Properties of Matter	English - III (Communication Skills)
	Course Code	PHY-604	PHY-605	MATH-603	PHY-606	ENG-603
	Credit Hrs.	4(3-1)	3(3-0)	3(3-0)	4(3-1)	3(3-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Circuit Theory	Optics	Differential Equations	Modern Physics-II	Applied Chemistry
	Course Code	PHY-607	PHY-608	MATH-604	PHY-609	CHEM-601
Credit Hrs.	4(3-1)	3(3-0)	3(3-0)	4(3-1)	3(3-0)	

Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Mathematical Methods of Physics-I	Classical Mechanics	Solid State Physics-I	Electronics-I	Electromagnetic Theory-I
	Course Code	PHY-610	PHY-611	PHY-612	PHY-613	PHY-614
	Credit Hrs.	3(3-0)	3(3-0)	4(3-1)	4(3-1)	3(3-0)
	<b>Sem-6</b> Total 16 Credit Hrs.	Mathematical Methods of Physics-II	Thermal & Statistical Mechanics	Solid State Physics-II	Electromagnetic Theory-II	Electronics-II
	Course Code	PHY-615	PHY-616	PHY-617	PHY-618	PHY-619
Credit Hrs.	3(3-0)	3(3-0)	3(3-0)	3(3-0)	4(3-1)	

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Quantum Mechanics-I	Atomic and Molecular Physics	Nuclear Physics	Computational Physics-I	Optional Paper*
	Course Code	PHY-620	PHY-621	PHY-622	PHY-623	-
	Credit Hrs.	3(3-0)	3(3-0)	4(3-1)	3(3-0)	4(3-1)
	<b>Sem-8</b> Total 15 Credit Hrs.	Quantum Mechanics-II	Computational Physics-II	Thesis / Project	Optional Paper	-
	Course Code	PHY-624	PHY-625	PHY-626	-	-
Credit Hrs.	3(3-0)	3(3-0)	6(6-0)/6(0-6)	3(3-0)	-	

Optional Subjects in Semester 7 & 8			
Digital Electronics	Environmental Physics	Nanoscience and Nanotechnology	Communication System
PHY-627	PHY-628	PHY-629	PHY-630
4(3-1)	4(3-1)	4(3-1)	4(3-1)
Renewable Energy	Applied Solid State Physics	Radiation Safety and Nuclear Reactor Design	Mechatronics

PHY-631	PHY-632	PHY-633	PHY-634
4(3-1)	4(3-1)	4(3-1)	4(3-1)
Particle Physics	Semiconductor Devices	Introduction to Photonics	Plasma Physics
PHY-635	PHY-636	PHY-637	PHY-638
3(3-0)	3(3-0)	3(3-0)	3(3-0)

**Total Credit Hours: 135**

## Facilities

**Departmental Library:** The departmental Library is managed by a qualified librarian and has over 2000 books covering a wide range of disciplines in Physics. These books are in addition to more than 2500 titles of Physics books stocked in central library of University.

**Computer Lab:** The department of Physics have a full furnished computer lab which has internet services and access to digital library where thousands of journals, proceedings, online books, and magazines are available.

**Basic Electronics Lab:** This lab is for M.Sc students to perform their practical work of analog electronics. This lab is equipped with oscilloscopes, wave generators, millimeters, power supplies, electronics trainers, amplifier ICs, oscillators, bipolar transistors, field effect transistors, diodes, and other electronic components.

**Digital Electronics Lab:** This lab is for M.Sc students to perform their practical work of digital electronics. This lab is equipped with number of digital electronics trainers which has facilities to power digital ICs and monitor their outputs with corresponding inputs. Digital Electronics Lab has wide verity of digital ICs including logic gates, flip flops, counters, and memories.

**Nuclear Lab:** This lab is for M.Sc students to perform their practical work of Nuclear Physics. This lab is equipped with number of nuclear radiation detectors, counters and ration sources.

**Physical Constants Lab:** This Lab is for MSc, M.Phil and PhD students to perform their practicals, and research work. The Physical Constants Lab has wide variety of equipments including Millikan's oil drop apparatus, Fine Beam tube apparatus for (e/m) of electron, Foucault-Michelson's apparatus for speed of light measurement, Photo cell for Planck's constant, spectrometers, Cauchy's constant apparatus, Michelson interferometer, Franck-Hertz experiment apparatus, Zeeman Effect apparatus, Compton Effect apparatus and X-Ray Diffraction system.

**Communications System Lab:** This Lab is for MSc, M.Phil and PhD students to perform their practical and research work. The communication system lab has wide variety of equipments including frequency modulation, amplitude modulation, phase modulation, pulse width modulation trainers, amplifiers, analog to digital and digital to analog convertors, transmitters, receivers, FPGA, visible light communication tools, oscilloscopes, wave generators and optical fiber trainers. Numbers of software packages are there to program devices in this lab.

**Microprocessor Lab:** The Microprocessor Lab is for MSc, M.Phil and PhD students to perform their practical, and research work. This lab has number of practical facilities including 80386, 8086, 8088, 8085 microprocessor trainers, serial and parallel interfacing trainers, analog to digital and digital to analog convertors and computer interfacing trainers.

**Mechatronics Lab:** This Lab is for MSc, M.Phil and PhD students to perform their practical, and research work. The mechatronics lab has wide variety of equipment including sensors, actuators, automation tools, programmable devices and robots. Numbers of software packages are there to program devices in this lab.

**Nanotechnology Lab:** Nanotechnology Lab is for MPhil/PhD scholars and teaching faculty to perform their research work. Main facilities of this lab are nanoporous membrane fabrication machine, electropolishing setup, electroplating setup, hydrothermal setup for ZnO growth, Autoclave, Oven, furnaces, vacuum pumps, range hood, hotplate stirrers, digital balance, optical microscope, sonicators, and desiccators etc. This lab has a stock of verity of chemicals and pure materials. With above facilities this lab is functional for several projects including, fabrication of anodic aluminum oxide membrane, fabrication of titanium dioxide membrane, growth of ZnO nanostructures, carbon nanotubes, template assisted synthesis of nanorods, nanotubes, and nanodots, nanostructured device fabrication including solar cells, nanogenerators, sensors and microfluidics.

**Microfabrication Lab:** This lab provides facilities for fabrication of microdevices such as microfluidic devices, microactuators, microsensors, and microgenerators. Main facilities in this lab are: photolithography setup, magnetron plasma sputter, thermal evaporator, spin coater, vacuum degassing setup, and chemical etcher etc.

**Characterization Lab:** This is research lab for MPhil/PhD scholars and teaching faculty to perform their research work. The characterization lab is providing facilities in verity of fields in Physics. The main function of this lab is to provide facilities for different types of measurements and detections with high accuracy. This lab is equipped with electrometers, LRC meters, nuclear detectors, and resistivity measuring equipment, dielectrics constant measuring equipment, magnetic flux generators and measuring tools, sensitive amplifiers, digital analyzer, oscilloscopes, spectrometers and data acquisition tools.

# CHEMISTRY

## Program(s)

- BS Chemistry (Morning) Program
- BS Chemistry (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

F.Sc./ A-Level

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)  
ugso

## Introduction

All materials and living things consist of atoms and molecules. Chemistry is the study of these atoms and molecules and how they interact with each other and the role they play in living things. Detailed knowledge of the subject is essential for entry to many interesting and challenging careers. Chemists are creative and can discover new substances, which can have a range of applications such as medicine that fight disease (e.g. aspirin, penicillin), or as materials that are very important in everyday life (e.g. PVC, Teflon, rechargeable batteries, superconductors and fuel cell materials). Chemists in Universities and research organizations work on the discovery of new medicines, new devices and materials and on advancing our knowledge of the World. Those in industry are involved in the production and analysis of chemicals. Chemists can work with engineers and business people to turn discoveries into commercially valuable products.

The Department of Chemistry started functioning with the establishment of the University in 1971 with Dr. Aijaz. A. Malik as Head of the Department. Two specializations, Organic chemistry and Inorganic chemistry were offered to students then. At that time, the students were sent to the University of Sindh for performing laboratory work as the laboratories in the department were in the process of development. The first batch graduated in 1973.

The Department has expanded now. Specialization in Physical Chemistry was started in 1977, Bio-Chemistry section was established in 1982 and Analytical Chemistry was started in 1984. In 2005 the department introduced Environmental Chemistry as the 4<sup>th</sup> compulsory subject in M.Sc Final.

## Objectives

- To develop conducive environment for learning and research that will foster cadres of qualified and focused professionals for chemical industries, research organizations and educational institutions of Pakistan.
- To establish linkages between the Department and the local industries and solve their technical problems.
- To prepare students for the local, national and global market by enhancing their international knowledge and developing the social confidence and adoptability they need to operate internationally.

## Job/Career Opportunities

- Educational Institutes, Colleges and Universities.
- Pharmaceutical Industry.
- Pakistan Agriculture Research Council (PARC), Atomic Energy Commission.
- Public / Private Research Organizations.

## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	ENGLISH-I (FUNCTIONAL)	GEN-I	GEN-II	MATHEMATIC S-1	COMPUTER APPLICATION	INORGANIC CHEMISTRY-I
	<b>Course Code</b>	ENG-601	GEN-602	GEN-603	MATH-604	COMP-605	CHEM-606
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	2(2-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	ENGLISH-II (COMMUNICA TION SKILLS)	ISLAMIC STUDIES/ETHI CS	GEN-III	MATHEMATIC S-II	GEN-IV	ORGANIC CHEMISTRY-I
	<b>Course Code</b>	ENG-607	ISL-608	GEN-609	MATH-610	GEN-611	CHEM-612
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	ENGLISH-III (REPORT WRITING)	PAKISTAN STUDIES	GEN-V	GEN-VI	ENVIRONMEN TAL CHEMISTRY-I	PHYSICAL CHEMISTRY-I
	<b>Course Code</b>	ENG-613	PAK-614	GEN-615	GEN-616	CHEM-617	CHEM-618
	<b>Credit Hrs.</b>	3 (3-0)	2(-0)	2(2-0)	3 (3-0)	3 (0-3)	3 (3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	STATISTICS	GEN-VII	GEN-VIII	ANALYTICAL CHEMISTRY-I	APPLIED CHEMISTRY	BIOCHEMISTRY-I
	<b>Course Code</b>	STAT-619	GEN-620	GEN-621	CHEM-622	CHEM-623	CHEM-624
	<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	2 (1-1)	2 (2-0)	2 (1-1)

Year 3	<b>Sem-5</b> Total 12 Credit Hrs.	INORGANIC CHEMISTRY-II	ORGANIC CHEMISTRY-II	PHYSICAL CHEMISTRY-II	ANALYTICAL CHEMISTRY-II /BIOCHEMISTRY-II
	<b>Course Code</b>	CHEM-625	CHEM-626	CHEM-627	CHEM-628/629
	<b>Credit Hrs.</b>	3 (3-0)	3(3-0)	3(3-0)	3 (3-0)
	<b>Sem-6</b> Total 12 Credit Hrs.	INORGANIC CHEMISTRY-III	ORGANIC CHEMISTRY-III	PHYSICAL CHEMISTRY-III	ANALYTICAL CHEMISTRY-II / BIOCHEMISTRY-II
	<b>Course Code</b>	CHEM-630	CHEM-631	CHEM-632	CHEM-633/34
	<b>Credit Hrs.</b>	3 (2-1)	3 (2-1)	3 (2-1)	3 (2-1)

## FIELD OF SPECIALIZATION

This syllabus of BS Chemistry offers five specializations including Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry and Biochemistry. The students will select any one specialization in the 7<sup>th</sup> semester.

Year 4	<b>INORGANIC CHEMISTRY</b>						
	<b>Sem-7</b> Total 12 Credit Hrs.	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
	<b>Course Code</b>	CHEM-635	CHEM-636	CHEM-637	CHEM-638	CHEM-639	CHEM-640
	<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1 (0-1)	3 (3-0)	3 (0-3)
	<b>ORGANIC CHEMISTRY</b>						
		PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
	<b>Course Code</b>	CHEM-641	CHEM-642	CHEM-643	CHEM-644	CHEM-639	CHEM-640
	<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
	<b>PHYSICAL CHEMISTRY</b>						
		PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
	<b>Course Code</b>	CHEM-645	CHEM-645	CHEM-647	CHEM-648	CHEM-639	CHEM-640
	<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)

ANALYTICAL CHEMISTRY						
	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
<b>Course Code</b>	CHEM-649	CHEM-650	CHEM-651	CHEM-652	CHEM-639	CHEM-640
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
BIOCHEMISTRY						
	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
<b>Course Code</b>	CHEM-653	CHEM-654	CHEM-655	CHEM-656	CHEM-639	CHEM-640
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
INORGANIC CHEMISTRY						
<b>Sem-8</b> Total 12 Credit Hrs.	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	ENVIRONMENTAL CHEMISTRY-II	RESEARCH PROJECT-II
<b>Course Code</b>	CHEM-657	CHEM-658	CHEM-659	CHEM-660	CHEM-661	CHEM-662
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1 (0-1)	3 (3-0)	3 (0-3)
ORGANIC CHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	ENVIRONMENTAL CHEMISTRY-II	RESEARCH PROJECT-II
<b>Course Code</b>	CHEM-663	CHEM-664	CHEM-665	CHEM-666	CHEM-661	CHEM-662
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
PHYSICAL CHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	ENVIRONMENTAL CHEMISTRY-II	RESEARCH PROJECT-II
<b>Course Code</b>	CHEM-667	CHEM-668	CHEM-669	CHEM-670	CHEM-661	CHEM-662
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
ANALYTICAL CHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
<b>Course Code</b>	CHEM-671	CHEM-672	CHEM-673	CHEM-674	CHEM-661	CHEM-662
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
BIOCHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
<b>Course Code</b>	CHEM-675	CHEM-676	CHEM-677	CHEM-678	CHEM-639	CHEM-640
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)

### Facilities

Five Specializations are offered by the Department of Chemistry and there are five teaching and five research Laboratories. All the laboratories are adequately equipped.

**Computer Laboratory:** There is a computer laboratory having 25 PCs with internet facilities.

**Departmental Library:** The departmental library is managed by a qualified librarian and has over 2500 books covering a wide range of disciplines in Chemistry for teaching and research purposes. These books are in addition to more than 2000 Chemistry books stocked in Central Library of the University. In 2007 about 300 books of latest addition have been purchased for the seminar library. The departmental library also has a vast collection of international research journals.

**Internet Facility:** The internet facility is available in all laboratories, library and rooms for the teachers. A large number of international research journals are also available on Digital Library provided by Higher Education Commission and research article of interest can also be downloaded.

# MATHEMATICS

## Program(s)

BS (Mathematics)

## Eligibility

Intermediate or its equivalent with Mathematics

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Mathematics is fundamental and indispensable to a large part of modern Science and Technology. Progress in other disciplines is often linked to an increased use of Mathematics. Mathematics is however also a subject in itself and fundamental research is a necessary condition for its many applications. Mathematics is the backbone of all disciplines. It has extensive applications in Physics; engineering, economics, geography, computer science, statistics; social science and many other fields. Our aim in this department is; The Department of Mathematics started functioning in 1972 with a small number of students and only one regular staff member. In 1980, it emerged as a full-fledged department. The Department has now a full-fledged faculty of 15 members and is offering M.Sc., M. Phil and Ph. D in the fields of Pure and Applied Mathematics.

## Objectives

- To provide a variety of courses that have been instrumental to create batches of qualified and focused professionals to meet the future needs of educational institutes or Industries.
- To develop cadres of students will have knowledge of such basic ideas as rigorous argument, formal proof and the power of formulation and solution of problems, together with deeper ideas of mathematics in which they have decided to specialize.

## Job Opportunities

- Banking, Scientific and technological institutes such as SUPARCO, Atomic Energy Commission, PASTIC, and Pakistan Science Foundation.
- Teaching Jobs in Colleges and Universities.

## Programs

- BS (Mathematics)

## Eligibility

- Intermediate with Mathematics, securing at least 50% marks in aggregate. Or
- Any other examination of a Foreign University / Institution / Examining Body, equivalent to Intermediate with Mathematics. Equivalence and percentage of marks will be determined by IBCC. Or
- Diploma of Associate Engineering Examination, securing at least 60% marks in aggregate.



SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	Calculus-I	Elements of Set Theory and Mathematical Logic	English - I (Functional English)	Islamic Studies/Ethics	Computer Programming	Chemistry
	<b>Course Code</b>	MATH-601	MATH-615	ENG-601	ISL-601	COMP-601	CHEM-601
	<b>Credit Hrs.</b>	4(4-0)	3(3-0)	3(3-0)	2(2-0)	3(2-1)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	Calculus II	Software packages	Introduction to Statistics	English -II (Communicati on Skills)	Pakistan Studies	Introduction to Environmental Sciences
	<b>Course Code</b>	MATH-613	COMP-602	STAT-601	ENG-602	PAK-601	ENV-601
<b>Credit Hrs.</b>	4(4-0)	3(2-1)	3(3-0)	3(3-0)	2(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 16 Credit Hrs.	Linear Algebra	Calculus III	Discrete Mathematics	English-III (Technical Writing and Presentation Skills)	Psychology
	<b>Course Code</b>	MATH-602	MATH-614	MATH-616	ENG-603	PSY-601
	<b>Credit Hrs.</b>	3(3-0)	4(4-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	Affine and Euclidean Geometry	Group Theory	Ordinary Differential Equations	Economics	Sociology
	<b>Course Code</b>	MATH-617	MATH-617	MATH-695	ECO-601	SOC-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Topology	Differential Geometry	Real Analysis- I	Rings and Fields	Mechanics
	<b>Course Code</b>	MATH-611	MATH-611	MATH-611	MATH-611	MATH-611
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Analytical Dynamics	Partial Differential Equations	Complex Analysis	Vector and Tensor Analysis	Real Analysis-II
	<b>Course Code</b>	MATH-611	MATH-611	MATH-611	MATH-611	MATH-611
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Functional Analysis	Numerical Methods	Mathematical Methods	E-1	E-2	E-3
	<b>Course Code</b>	MATH-621	MATH-612	MATH-622	-	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 19 Credit Hrs.	Numerical Analysis	Integral Equations	E-4	E-5	Project	-
	<b>Course Code</b>	MATH-423	MATH-424	-	-	-	-
<b>Credit Hrs.</b>	4(3-1)	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-	

**Total Credit Hours: 135**

Optional Subjects in Semester 7 & 8					
Measure Theory	Introduction to Quantum Mechanics	Measure and Integration	Introduction to Combinatorics	Introduction to Algebraic Geometry	Introduction to Algebraic System
MATH-625	MATH-626	MATH-627	MATH-628	MATH-629	MATH-630
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Number Theory	Computing Techniques	Calculus with Maple	Theory of Manifolds	Fluid Mechanics-I	Fluid Mechanics-II
MATH-631	MATH-632	MATH-633	MATH-634	MATH-635	MATH-636
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Elasticity	Special Theory of Relativity	Machine Learning	Robotics	Advanced Robotics	Basics in Programming

MATH-637	MATH-638	MATH-639	MATH-640	MATH-641	MATH-642
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Riemannian Geometry	Algebraic Topology	Advanced Topology	Advanced Functional Analysis	Advanced Group Theory	Calculus of Variations
MATH-643	MATH-644	MATH-645	MATH-646	MATH-647	MATH-648
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Mathematical Statistics	Optimization	-	-	-	-
MATH-649	MATH-650	-	-	-	-
3(3-0)	3(3-0)	-	-	-	-

**Total Credit Hours: 134**

### Facilities

**Computer Lab:** Department has two separate Computer Labs for Male/Females students with three computers with Wi-Fi facilities more computers will also be included in the current academic year.

**Departmental Library:** Department has about 400 books

**Internet:** The Internet facility is available in the Computer Lab as well as in the rooms of teaching staff. A large number of Books and international research journals are also available on Digital Library provided by Higher Education Commission and research articles of interest can also be down loaded.



# STATISTICS

**Program(s)**  
BS (Statistics)

**Eligibility**  
F.A/F.Sc/ICS/I.Com with Mathematics or Statistics

**Duration**  
4 Years (8 Semesters)  
Full time

**Entry**  
Semester-1

**Contact hours**  
(first year, full time)  
Approximately 16-22 hours per week

**Find out more**  
[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Statistics is a fundamental science, which exerts a vital and dominant role in the development of other scientific disciplines. Statistical Science skills are important in all applied sciences (life sciences, medicine and related fields, physical sciences) and are becoming increasingly so in emerging fields that require analysis of complex data such as agriculture, business and finance. There is a constant demand for graduates with these skills in both industry and academia. Statistics also has a direct impact on society and economy besides science and technology.

The Department of Statistics was established in March 1979. Prof. Joseph Elfenbein was the founder of the Department. Incepted with regular programs of MSc, the department has also started programs in M.Phil and Ph.D.

## Objectives

- To create and develop cadres of motivated researchers, scholars and practitioners to meet the needs of agriculture, industry, research organizations and educational institutions of the local, national and international level.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

## Job Opportunities

*Statistics degree holders can join:*

- Educational Institutions, Colleges and Universities.
- Public/ Private Research Organizations.
- Administration, Planning and Finance
- Provincial and Federal Bureau of Statistics
- Banks/NADRA/Health and Agricultural departments
- Energy Sector



## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English – I (Functional English)	Islamic Studies / Ethics	Introductory Statistics	Mathematics A-I (Calculus)	Introduction to Computers	Physics
	<b>Course Code</b>	ENG-601	ISL-601	STAT-601	MATH-601	COMP-601	PHY-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Probability and Probability Distributions	Mathematics A- II (Analytical Geometry)	English-II (Communication Skills)	Pakistan Studies	Introductory Accounting	Measure Theory
	<b>Course Code</b>	STAT-602	MATH-602	ENG-602	PAK-601	ACC-601	CHEM-605
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	Basic Statistical Inference	English-III (Technical Writing and Presentation Skills)	Introduction to Computer Programming	Principles of Management Sciences	Chemistry
	<b>Course Code</b>	STAT-603	ENG-603	COMP-602	MGMT-601	CHEM-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	Applied Statistics	Introduction to Regression and Analysis of Variance	Mathematics A-III (Numerical Methods)	Linear Algebra	Introduction to Environmental Sciences
	<b>Course Code</b>	STAT-605	STAT-604	MATH-603	STAT-620	ECON-601
<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Probability Distributions-1	Sampling Techniques-I	Design and Analysis of Experiments-I	Regression Analysis	Statistical Packages
	<b>Course Code</b>	STAT-607	STAT-608	STAT-610	STAT-609	STAT-606
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Probability Distributions-II	Sampling Techniques-II	Econometrics	Design and Analysis of Experiments-II	Biostatistics
	<b>Course Code</b>	STAT-612	STAT-613	STAT-614	STAT-615	-
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	3(3-0)	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Statistical Inference-I	Population Studies	Nonparametric Methods	Operation Research	Research Methodology
	<b>Course Code</b>	STAT-617	STAT-616	STAT-611	STAT-623	STAT-622
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 19 Credit Hrs.	Statistical Inference-II	Applied Multivariate Analysis	Statistical Quality Control	Advanced Operation Research	Research Project
	<b>Course Code</b>	STAT-619	STAT-618	STAT-639	STAT-642	STAT-621
<b>Credit Hrs.</b>	4(3-1)	3(3-0)	6(6-0)	3(3-0)	6(6-0)	

**Total Credit Hours: 134**

### Facilities

**Computer Laboratory:** A computer laboratory with statistical packages such as SPSS, MINITAB, and R for students and researchers.

**Departmental Library:** The departmental seminar library has around 400 books on different branches of statistics.

**Internet:** The internet facility is available in the rooms of teaching staff. A large number of books and international research journals are also available on Digital Library provided by Higher Education Commission and research articles of interest can be downloaded.

# COMPUTER SCIENCE & INFORMATION TECHNOLOGY

## Program(s)

- BS(CS) (Morning) Program
- BS(CS) (Afternoon) Program (Self-Finance) 2:00 PM to 5:00 PM
- BS(IT) (Morning) Program
- BS(IT) (Afternoon) Program (Self-Finance) 2:00 PM to 5:00 PM

## Eligibility

- Intermediate with Mathematics or its equivalent with Mathematics certified by IBCC
- Pre-medical students who wish to take admission in the computing programs need to pass deficiency courses of mathematics within the period of one year of the regular studies.

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The advent of scientific advancement has rendered an overarching change in the lives of people all over the world. The process of continuous inventions in the field of computation has brought a revolution in communication, trade, business, war, education, health, and access to the knowledge of other planets and heavenly bodies in our solar system. After the devastating World War II, the discipline of computer science emerged out from the outgrowth of Physics. Incepted in 1948, this discipline has taken several giant leaps; the birth of personal computers in the 1970's has geared up the use of Information and communication technologies all over the world.

The emergence of Computer science as a discipline has taken a central position in the educational and development paradigms of the developing countries generally and Pakistan especially. The emerging socio-economic opportunities demand a responsive system and skilled human resources. In the recent years, China-Pakistan Economic Corridor (CPEC) demands slots of highly qualified and skilled human resource to excel the growth and prosperity of the country. The youth of Balochistan, particularly needs to be trained to contribute in the process of development and socio-economic empowerment.

University of Balochistan launched the department of computer science in 2000. Starting with, Master in Computer Science (MCS) in 2001, the department also initiated its programs of BS(CS) and BS(IT) in 2002. Over a course of a decade, the department harnessed its faculty and study programs and started MS and PhD programs in 2012.



## Objectives:

- To design and develop effective study programs for creating cadres of highly potential and qualified professionals in the field of Computer Science (CS) and Information Technologies (IT) so that emerging demands of HR at national and provincial level in public and private sectors could be fulfilled.
- To develop academic and research environment at the department that will generate innovative learning, practicing ventures, new knowledge and innovative solutions in the field of computer science and ICT that will inculcate academic & research culture aimed at professional grooming and creative thinking.

## Job/Career Opportunities

Graduates from this department are working in a wide range of government and private organizations of the country. Carriers and job opportunities are enormous of which a few are mentioned below:

- I.T based services, Commercial and financial public and private organizations
- Telecom Sector
- Online jobs, freelancing and business startups
- Software development companies
- IT departments of public and private sector

SEMESTER BREAKUP BS(CS)						
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	Introduction to ICT	Programming Fundamentals	English Composition & Comprehension	Calculus & Analytical Geometry	Applied Physics
	<b>Course Code</b>	GED 601	CMC 601	GED 602	MTS 601	MTS 602
	<b>Credit Hrs.</b>	2-1	3-1	3-0	3-0	3-0
	<b>Sem-2</b> Total 16 Credit Hrs.	Digital Logic Design	Communication & Presentation Skills	Probability & Statistics	University Elective – 1	Discrete Structures
	<b>Course Code</b>	CSC 601	CMC 603	MST 603	UEL 6xx	CMC 602
<b>Credit Hrs.</b>	3-1	3-0	3-0	3-0	3-0	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Computer Organization & Assembly Language	Object Oriented Programming	Data Structures & Algorithms	Professional Practices	CS Supporting – 1
	<b>Course Code</b>	CSC 602	CMC 603	CMC 604	GED 604	CSS 6xx
	<b>Credit Hrs.</b>	3-1	3-0	3-0	3-0	3-0
	<b>Sem-4</b> Total 16 Credit Hrs.	Design & Analysis of Algorithms	Theory of Automata	Database Systems	Linear Algebra	University Elective – 2
	<b>Course Code</b>	CSC 603	CSC 604	CMC 605	MTS 604	UEL 6xx
<b>Credit Hrs.</b>	3-1	3-1	3-1	3-0	3-0	
Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Compiler Construction	CS Supporting – 2	Operating Systems	Software Engineering	CS Supporting – 3
	<b>Course Code</b>	CSC 605	CSS 6xx	CMC 606	CMC 607	CSS 6xx
	<b>Credit Hrs.</b>	3-0	3-0	3-1	3-0	3-0
	<b>Sem-6</b> Total 17 Credit Hrs.	Artificial Intelligence	Computer Networks	CS Elective – 1	CS Elective – 2	Technical & Business Writing
	<b>Course Code</b>	CSC 606	CMC 608	CSE 6xx	CSE 6xx	GED 605
<b>Credit Hrs.</b>	3-1	3-1	3-0	3-0	3-0	

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	CS Elective – 3	CS Elective – 4	Final Year Project – I	University Elective – 3	Parallel & Distributed Computing	Pakistan Studies
	<b>Course Code</b>	CSE 6xx	CSE 6xx	CMC 650	UEL 6xx	CSC 607	GED 606
	<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	3-0	2-0
	<b>Sem-8</b> Total 15 Credit Hrs.	CS Elective – 5	University Elective – 4	Final Year Project – II	Information Security	Islamic Studies/ Ethics	-
	<b>Course Code</b>	CSE 6xx	UEL 6xx	CMC 650	CMC 609	GED 607	-
<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	2-0	-	

**Total Credit Hours: 130**

### SEMESTER BREAKUP BS(IT)

Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	Introduction to ICT	Programming Fundamentals	English Composition & Comprehension	Calculus & Analytical Geometry	Applied Physics
	<b>Course Code</b>	GED 601	CMC 601	GED 602	MTS 601	MTS 602
	<b>Credit Hrs.</b>	2-1	3-1	3-0	3-0	3-0
	<b>Sem-2</b> Total 16 Credit Hrs.	Digital Logic Design	Communication & Presentation Skills	Probability & Statistics	University Elective – 1	Discrete Structures
	<b>Course Code</b>	CSC 601	GED 603	MTS 603	UEL 6xx	CMC 602
<b>Credit Hrs.</b>	3-1	3-0	3-0	3-0	3-0	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Computer Organization & Assembly Language	Object Oriented Programming	Data Structures & Algorithms	Professional Practices	CS Supporting – 1
	<b>Course Code</b>	CSC 602	CMC 603	CMC 604	GED 604	CSS 6xx
	<b>Credit Hrs.</b>	3-1	3-1	3-1	3-0	3-0
	<b>Sem-4</b> Total 16 Credit Hrs.	Design & Analysis of Algorithms	Theory of Automata	Database Systems	Linear Algebra	University Elective – 2
	<b>Course Code</b>	CSC 603	CSC 604	CMC 605	MTS 604	UEL 6xx
<b>Credit Hrs.</b>	3-0	3-0	3-1	3-0	3-0	

Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Compiler Construction	CS Supporting – 2	Operating Systems	Software Engineering	CS Supporting – 3
	<b>Course Code</b>	CSC 605	CSS 6xx	CMC 606	CMC 607	CSS 6xx
	<b>Credit Hrs.</b>	3-0	3-0	3-1	3-0	3-0
	<b>Sem-6</b> Total 17 Credit Hrs.	Artificial Intelligence	Computer Networks	CS Elective – 1	CS Elective – 2	Technical & Business Writing
	<b>Course Code</b>	CSC 606	CMC 608	CSE 6xx	CSE 6xx	GED 605
<b>Credit Hrs.</b>	3-1	3-1	3-0	3-0	3-0	

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	CS Elective – 3	CS Elective – 4	Final Year Project – I	University Elective – 3	Parallel & Distributed Computing	Pakistan Studies
	<b>Course Code</b>	CSE 6xx	CSE 6xx	CMC 650	UEL 6xx	CSC 607	GED 606
	<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	3-0	2-0
	<b>Sem-8</b> Total 14 Credit Hrs.	CS Elective – 5	University Elective – 4	Final Year Project – II	Information Security	Islamic Studies/ Ethics	-
	<b>Course Code</b>	CSE 6xx	UEL 6xx	CMC 650	CMC 609	GED 607	-
<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	2-0	-	

**Total Credit Hours: 130**

## Facilities

**Departmental Library:** The departmental library as well as the central library provide books covering a wide range of disciplines in computer science & information technology. A large number of prestigious research journals are accessible through digital library.

**Transport Facility:** The university provides pick and drop facility through busses on all major routes of the city.

**Hostel accommodation:** The University provides cost effective accommodation in its hostels for both male and female students.

**Internet Facility:** Students can access Internet through WiFi inside the whole campus including the department.

**Internet Facility:** The internet facility is available in all Computer Labs & Teachers' offices.

**Internship opportunities:** The department encourages internships towards the end of the study program by establishing links with different organizations as well as provides skill gaining opportunities for students as internees in the university by promoting in-house software development for different sections of the University.



# GEOLOGY

## Program(s)

BS (Geology)

## Eligibility

- Candidates should have passed F.Sc. (Pre-Eng./Pre Medical/ ICS Groups).
- Candidate should have sound Physique and capable of undertaking climbing heights during fieldwork and should not suffer from color blindness for the purpose of optical Work.

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Geology is the science of earth dealing with rocks, minerals, the origin, history and structure of the earth. It plays an important role in the economy of a nation. It is one of the most important subjects of basic and applied sciences, particularly with reference to the Balochistan province, which provides excellent opportunities for the development and exploitation of natural resources. Balochistan has high prospects for geological research and exploration of economic mineral deposits, petroleum, groundwater and other natural resources.

The Department of Geology is one of the seven departments, established at the raising of the University of Balochistan in 1971. During the initial years, the department offered only M.Sc. courses. Now BS 4<sup>th</sup> Years (Applied Geology) Program is also offered.

## Objectives

- To prepare high quality professionals in the Field of geology through 4-Years B.S. (Applied Geology) and 2-Years M.Sc. (Geology) programs in order to meet the national and international needs.
- To prepare professional and skilled manpower in the field of Applied Geology, capable of carrying out geological field and analytical work independently.
- To provide training to plan and conduct goal-oriented research projects and assess their socio-economic aspects, achieve targets, write technical reports and scientific research papers and provide consultancy services.

## Vocational Job Opportunities/ Marketability of Graduates

- The graduates will have opportunities to work in the following organization:
  - Geological Survey of Pakistan (GSP)
  - Pakistan Atomic Energy Commission
  - Hydrocarbon Development Institute of Pakistan
  - Water and Power Development Authority (WAPDA)
  - Oil and Gas Sector
  - Pakistan Mineral Development Corporation (PMDC)
  - Balochistan Development Authority (BDA)
  - Public Health Engineering Department
  - Various Educational Institutions (Mostly Universities and Colleges) and various national and International Mineral Exploration Companies.
- The opening of new projects, such as Saindak Metals Limited, Rikho-Dic Copper-Gold Project, Gawadar Port, construction of dams, development of gas pipeline from Iran to India, development of water reservoirs and thermal (coal-based) power stations in the country, have high potential for new job opportunities.

### SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Islamic Studies/ Ethics	Mathematics-I	Physics-I	Chemistry-I	General Geology
	<b>Course Code</b>	ENG-301	ISL.ST/ETH-302	MATH-303	PHY-304	CHEM-305	GEOL-306
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Pakistan Studies	Mathematics-II	Physics-II	Chemistry-II	Geomorphology
	<b>Course Code</b>	ENG-307	PAK-ST-308	MATH-309	PHY-310	CHEM-311	GEOL-312
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(2-1)	3(2-1)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Botany	Mathematics-III	Physics-III	Chemistry-III	Paleontology	Stratigraphy
	<b>Course Code</b>	BOT-401	MATH-402	PHY-403	CHEM-404	GEOL-405	GEOL-406
	<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	Zoology	Computing & Geo-statistics	Physics-IV	Chemistry-IV	Crystallography, Optical Mineralogy & Petrography	Geological Field Work-I
	<b>Course Code</b>	ZOOL-407	COMP-STAT-408	PHY-409	CHEM-410	GEOL-411	GEOL-412
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Geo-Tectonics	Structural Geology	Sedimentology	Sequence Stratigraphy	Mineralogy	Igneous & Metamorphic Petrology
	<b>Course Code</b>	GEOL-501	GEOL-502	GEOL-503	GEOL-504	GEOL-505	GEOL-506
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Geophysics	Geochemistry	Petroleum Geology	Field Geology	Economic Geology	Geological Field Work-II
	<b>Course Code</b>	GEOL-507	GEOL-508	GEOL-509	GEOL-510	GEOL-511	GEOL-512
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Organic Geochemistry	Environmental Geology	Engineering Geology	Hydrogeology	Micropaleontology & Biostratigraphy
	<b>Course Code</b>	GEOL-601	GEOL-602	GEOL-603	GEOL-604	GEOL-605
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-8</b> Total 09 Credit Hrs.	Geology of Pakistan	Special Paper, I,II, III (Opt one only)	Thesis	-	-
	<b>Course Code</b>	GEOL-606	GEOL-607	GEOL-608	-	-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	-	-	

**Total Credit Hours: 134**

Optional Courses				
Mineralogy and Petrology	Paleontology and Stratigraphy	Economic Geology	Engineering Geology	Petroleum Geology
GROUP-I	GROUP-II	GROUP-III	GROUP-IV	GROUP-V
Applied Geophysics	Geochemistry	Sedimentology	Hydrogeology	Industrial Mineralogy
GROUP-IV	GROUP-VII	GROUP-VIII	GROUP-IX	GROUP-X
Marine Geology	Environmental Geology	Structural, Tectonics and Neotectonics	-	-
GROUP-XI	GROUP-XII	GROUP-XIII	-	-

## Facilities

**Departmental Library:** Library of the department contains more than 2500 textbooks, reference books, geological encyclopedias, field reports and audiovisual materials (i.e. geological videos, CDs, slides and Transparencies).

**Geochemistry Laboratory:** This laboratory has some facilities for geochemical analysis. It is equipped with glassware and chemicals.

**Petrography Laboratory:** The petrography lab has facilities for megascopic analysis of minerals and rocks.

**Microscopic Laboratory:** This laboratory is well equipped for microscopic analysis of rocks and minerals. It contains transmitted and reflected research microscopes, polarizing microscopes and projected microscopes. One of the research microscopes has attached computer, display monitor and camera for obtaining microphotographs.

**Thin Section Workshop:** This workshop contains facilities for preparation of thin sections of rocks and is equipped with rock cutting machine, polishing machine, grinder with different sizes, abrasive sands and other chemicals used for preparation of thin sections of rocks. Other equipment's include crusher, water distal plant and micro grinder.

**Computer Laboratory:** This laboratory is equipped with fifteen computers, a Laser Printer, a Scanner and a Photocopier. Computers have connection with the main network of University and internet. A large number of international research journals are also available on the Digital Library provided by the HEC, where students can download research articles of their interests.

**Museum:** Museum is one of the attractive places of the University. It contains about 1000 specimens of Rocks, minerals and fossils of foreign and local collections.

### **BS 4 year applied Geology Optional Courses**

**NOTE:** Students will have to obtain any one of the following optional course / subject to the availability of faculty.

Optional Courses		
Optional Groups	Subject / Title	Page No.
Group-I	Mineralogy and Petrology	43
Group-II	Paleontology and Stratigraphy	46
Group-III	Economic Geology	48
Group-IV	Engineering Geology	52
Group-V	Petroleum Geology	56
Group-VI	Applied Geophysics	61
Group-VII	Geochemistry	65
Group-VIII	Sedimentology	68
Group-IX	Hydrogeology	71
Group-X	Industrial Mineralogy	73

Group-XI	Marine Geology	77
Group-XII	Environmental Geology	79
Group-XIII	Structural, Tectonics and Neotectonics	81



# RENEWABLE ENERGY

## Program(s)

BS (Renewable)

## Eligibility

- F.Sc Pre-Engineering
- A-Level Cambridge (with subject of Mathematics, Physics, Chemistry)

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The University of Balochistan offered Renewable Energy Studies first time in the country in the year 2017. The department was inaugurated by Honorable Mr. Ahsan Iqbal, the Federal Minister for Planning, Development and Reforms on 16<sup>th</sup> August 2016, while the academic activities started from 27<sup>th</sup> October 2017 with BS program.

Renewable energy is an emerging discipline of sciences and technologies of present day, tuned to harness the available sources of green energy on this planet earth and developing various energy systems. Renewable energy systems are designed to take the energy resources probably the clean and green energy sources.

Diverse categories of energy resources can be tabbed with renewable energy systems. Designing renewable energy system would require extensive knowledge of sciences probably Physics, Technologies and Engineering.

The most available sources of energy are solar, wind, tidal, hydel, geothermal, biofuel, nuclear and indeed hydrogen.

Various energy renewable energy systems have already been used today but require designing compatible to our environment and energy resource requirements of geographical location of the country. This is a mentally requirement to evolve an industry to manufacture diverse energy systems. Skilled and qualified man power have now become a mentally requirement to switch over to alternate sources of energy and save the grid electricity.

Solar architecture for buildings and its designing solar collectors and reflectors for heating and cooling of air/ water, solar based heating and cooling of building, solar based water pumps, solar geysers, solar refrigerators, solar ponds for Rankine cycle engine for desalination of sea water and producing electricity, photovoltaic devices to producing electricity and many other divers applications and systems utilizations like solar powers thermal statios to producing electricity have now become imperative and alternate source of energy.

There are many potential locations to tap both solar and wind energy; for producing electricity generally in Pakistan and especially in Balochistan. Savonius, Darrieus and many other wind turbines are commercially available to producing electricity. The costal built in the south and the mountainous regions especially in the north west of Balochistan offer extraordinary potential to tap wind energy. Wind machines for grinding grains water pumping and for many other purposes can also be used in remote agricultural locations.

Hybrid energy systems like solar-wind- hydrogen, solar based bioenergy, etc. are needed to produce electricity at relatively larger scale. Hydrogen gas filled in some metals like vanadium hydride and titanium hydride serve as fuel cells for combustion engines.

Needless to mention, self-designed and innovated renewable energy system have to be put into use compatible with our nature resource requirements.

The department of renewable energy, at present, is offering BS (four years) undergraduate and MS (two years graduate) degree programmes. Hardware workshops (Mechanical/ electrical/ electronics, computer, etc.)

and renewable energy laborites have already been designed.

### Objectives

- Energy crisis is one of the most important issues in developing countries. The main objective is to motivate and train the students to avail the new sources of energy. The students will serve as master trainers to provide awareness about the use of renewable energy sources from energy systems and get rid of grid electricity which is expensive.
- With China Pakistan Economic Corridor (CPEC) it is inevitable to have sufficient energy trained personal to safeguard the energy requirements such as the availability of electricity in every nook and corner of the country. This is why the department of Renewable Energy is essential as source to produce skilled and trained man power for fabrication, manufacturing and system development for renewable energy.

### Vocational Job Opportunities/ Marketability of Graduates

- Graduates will have the ability to plan projects and facilities for the utilization of renewable energy and to implement them while taking account of economic, political and societal concerns. Thus the curriculum is designed to enable unique career opportunities in the vocational fields of planning, innovation, invention, engineering, consultancy and investment of renewable energy. Our graduates will have ample opportunities to be absorbed in all sectors of industries, organizations, scientific institutions, non-government organizations working for energy development, and especially for diverse CPEC activities.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Renewable Energy	Metallurgy & Workshop Practices	Fluid Mechanics	Applied Physics-1	Mathematics - I (Calculus)	Islamic Studies or Ethics (for Non-Muslim students)
	<b>Course Code</b>	RE-611	RE-612	RE-613	PHY-611	MATH-615	IS-616
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Thermodynamics	Applied Mechanics	3D Modeling and Simulation	Applied Chemistry	Mathematics - II (Ordinary Differential Equations)	English Composition and Comprehension
	<b>Course Code</b>	RE-621	RE-622	RE-623	CHEM-624	MATH-625	ENG-626
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(1-2)	3(3-0)	3(3-0)	2(2-0)	
Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Wind Energy	Heat and Mass transfer	Applied Physics-II	Circuit Theory	Mathematics - III (Linear Algebra)	Pakistan studies
	<b>Course Code</b>	RE-631	RE-632	PHY-633	EE-634	MATH-635	PST-636
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Hydro Power Systems	Basic Electronics	Communication & Presentation Skills	Geological Perspective of Renewable Energy	Numerical Analysis	Statistics and Probability
	<b>Course Code</b>	RE-641	RE-642	RE-643	GEOL-644	MATH-645	STAT-646
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(3-0)	
Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Tidal and Geothermal Energy	Energy Storage	Solar Energy	Nanoscience and Energy	Mechatronics	Geographical Perspective of Renewable Energy in Pakistan

	<b>Course Code</b>	RE-651	RE-652	RE-653	RE-654	RE-655	GEOG-656
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	Microbial Bioenergy and Biofuel	Hydrogen and Fuel Cells	Power Electronics	RS and GIS for Renewable Energy Resources	Photoactive Materials and Thermal Characterization	Environmental Impact Assessment
	<b>Course Code</b>	RE-661	RE-662	RE-663	RE-664	RE-665	RE-666
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(2-1)	3(3-0)	2(2-0)

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Photovoltaic	Nuclear Energy and Diverse Reactors	Digital Electronics	Project Report- I	Professional Ethics	<b>Elective-I</b>
	<b>Course Code</b>	RE-671	RE-672	RE-673	RE-674	RE-675	-
	<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(2-1)	3(0-3)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Boilers and Power Plant	Power Generation	Project Report- II	Instrumentation and control	<b>Elective-II</b>	-
	<b>Course Code</b>	RE-661	RE-662	RE-663	RE-664	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	3(3-0)	3(3-0)	-	

**Total Credit Hours: 134**

Elective Course (choose one from the following) Semester-7		
Thin Film Technology And Applications	Solar Passive Architecture	Heating Ventilation and Air Conditioning Systems
RE-676	RE-677	RE-678
3(3-0)	3(3-0)	3(3-0)
Elective Course (choose one from the following) Semester-8		
New Energy Technologies	Energy Efficient buildings	Fabrication of Solar Cells
RE-685	RE-686	RE-687
3(3-0)	3(3-0)	3(3-0)

## Facilities

**Departmental Library:** The departmental Library has been established with wall to wall books shelves and proper sitting arrangements. More than 500 books latest original books covering a wide range of disciplines in Renewable Energy of all study programmes are available.

**Computer Lab:** The department of Renewable Energy has a full furnished computer lab which has internet services and access to digital library where thousands of journals, proceedings, online books, and magazines can be accessed.

**Basic Laboratories:** Two large laboratories are available in the newly established department. However the equipments are yet to be arranged for BS and MS levels. These labs will be equipped with different practical setups for energy related experiments commensurate to international norms and standards.

**Research Laboratory:** This lab is for M.S and PhD students to perform their research work in renewable energy. The equipments are yet to be arranged for said purpose.

## Future Plans:

- The department shall launch the M.S and PhD programme of studies in near future.
- The Energy Research Park will be established in near future in the University of Balochistan. It is mandatory requirement before we embark for our research studies in Renewable energy.

# GEOPHYSICS

## Program(s)

BS Geophysics

## Eligibility

- Fsc Pre-Eng
- Candidate should have sound Physique and capable of undertaking climbing heights during fieldwork and should not suffer from color blindness for the purpose of optical Work.

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Welcome to the exciting world of the Department of Geophysics. We invite you to explore the diverse and dynamic field of Geophysics, where we unravel the mysteries of our planet through the application of Scientific Principles and Cutting-edge technology. At the Department of Geophysics, we are dedicated to fostering a culture of curiosity, innovation, and collaboration. Our goal is to equip students with the knowledge, skills, and practical experience needed to excel in the field of Geophysics and make significant contributions to scientific research, environmental sustainability, and natural resource exploration.

Geophysics encompasses a wide range of disciplines, including Seismology, Gravity Method, Seismic Method, Magnetic Method, Electrical Methods, Electromagnetism, and Remote Sensing, among others. Through our comprehensive curriculum, students will gain a strong foundation in these fundamental areas, while also having the opportunity to delve into specialized topics such as Exploration Geophysics, Environmental Geophysics, and Geophysical Imaging. We offer state-of-the-art laboratories and field equipment, allowing students to engage in hands-on learning experiences. Our faculty consists of esteemed experts and researchers who are actively involved in groundbreaking projects, providing students with invaluable mentorship and opportunities for research collaboration.

Moreover, Balochistan is a province rich in mineral and Energy resources (Oil and Gas). These mineral rich potential zones of the province need to be explored for exploitation of the valuable resources. Major oil and gas production fields are in Balochistan province. The water crises of the province need immediate solution to prevent major portion of the province from drought. Enormous areas of the province are earthquake prone and major earthquakes occurrences are common in the province. The Department of Geophysics is committed in providing supportive and stimulating information and solutions to mitigate the effects of Disastrous Events. We invite you to embark on this exciting journey with us, where you will gain a deep understanding of the Earth's processes, contribute to groundbreaking research, and become a leader in the field of geophysics.

## Objectives

- The objective of the Department is to have well-prepared graduates having experiences in the academic fields which contribute to developing Geophysical investigation.
- The Department also aims at preparing skilled groups having the ability to implement investigational projects in the fields of oil and Gas, mines and minerals, archeology, environment, constructions, and water resources.
- In forthcoming future, the department aims to offer research-oriented MPhil and PhD degrees.
- The Geophysics Research Group primarily focuses on the processes that take place in the earth and on the earth's surface. At the Department of Geophysics, the focus will be also on the processes and properties of the atmosphere and the sea.
- Developing the skills of the students in Geophysical programs, mathematics, and computer applications.

- Qualifying the students to reach the level of the geophysical investigator and making him/her more confident to make them take logical and sensible decisions in the investigation.
- Working on having a staff with thorough knowledge, vitality, and specific specializations that enable it to raise the level of the information and skills for qualifying it for the investigational work.

#### Vocational Job Opportunities/ Marketability of Graduates

- Oil and Gas Exploration Companies (National and International)
- Geological Survey of Pakistan
- Consultant Services to different Departments and Companies
- Mineral Exploration Departments and Companies (GOVT & Private)
- Pakistan Atomic Energy Commission
- Hydrocarbon Development Institute of Pakistan
- Pakistan Meteorological Department
- Water and Power Development Authority (WAPDA)
- National and Provincial Disaster Management Authority (NDMA & PDMA)
- Irrigation Department, Engineering Sectors, and Public Health Engineering
- Educational Institutions (Public and Private Sector Colleges and Universities)
- New Opportunities can be found in newly Initiated International level projects, Such as Pak-China Economic Corridor CPEC, Saindek and Reko Diq Gold Copper Exploration project.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Geophysics	General Geology	Physics –I	English –I	Mathematics-I	Islamic Studies or Ethics (for Non-Muslim students)
	<b>Course Code</b>	GEOP-601	GEOL-601	PHY-601	ENG-601	MATH-601	IS-601
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	General Chemistry	English-II	Fundamentals of Geomorphology	Mathematics II	Physics-II	Introduction to Computer Applications
	<b>Course Code</b>	CHE-601	ENG-602	GEOL-602	MATH-602	PHY-602	COM-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)	3(2-1)	
Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Structural Geology and Tectonics	Field Geology	Fundamentals of Geodesy	Stratigraphy	Fieldwork With Report	Pakistan Studies
	<b>Course Code</b>	GEOL-603	GEOL-604	GEOP-602	GEOL-605	GEOP-603	PST-601
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(0-3)	2 (2-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Geostatistics	Fundamentals of Seismology	Mineralogy	Environmental Geology	Sedimentology	Introduction of GIS and Remote Sensing
	<b>Course Code</b>	GEOP-604	GEOP-605	GEOL-606	GEOP-606	GEOL-607	GEOP-607
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(1-1)	
Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Petroleum Geology	Magnetic Method	Borehole Geophysics	Igneous and Metamorphic Petrology	Introduction to Meteorology	Seismic data Acquisition
	<b>Course Code</b>	GEOL-608	GEOP-608	GEOP-609	GEOL-609	GEOP-610	GEOP-611
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	2(2-0)
	<b>Sem-6</b> Total 18 Credit Hrs.	Seismic Data Processing	Electrical Geophysical Methods	Hydrogeology	Tectonics of Pakistan	Gravity Method	Economic Geology
	<b>Course Code</b>	GEOP-612	GEOP-613	GEOP-614	GEOL-610	GEOP-615	GEOL-611
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(2-1)	3(2-1)	

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Seismology	Environmental Geophysics	Radiometric Prospecting Methods	Seismic Sequence Stratigraphy	Fieldwork+ Report	Seismic Data Interpretation
	<b>Course Code</b>	GEOP-616	GEOP-617	GEOP-618	GEOP-619	GEOP-620	GEOP-621
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(0-3)	2(1-1)
	<b>Sem-8</b> Total 15 Credit Hrs.	<b>Elective Course (choose three from the following)</b>	Engineering Geophysics	Electrical Resistivity Method	Remote Sensing in Geophysics	Health, Safety and Environment	Dissertation
	<b>Course Code</b>	-	GEOP-622	GEOP-623	GEOP-624	GEOP-625	GEOP-626
	<b>Credit Hrs.</b>	6(6-0)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	6(6-0)

**Total Credit Hours: 136**

### Facilities

**Departmental Library:** The Department library is in process to purchase required books well in advanced before commencement of the program. The for the time being student will be given access o relevant book in the Department of Geology next door to Seismology and Geophysical studies which contains more than 2500 textbooks, reference books, geological encyclopedias, etc.

**Laboratory:** The laboratory is well equipped modern equipment which can be used in the field to get data and process it in the modern software to get results.

**Computer Laboratory:** is in process to be established with 35computers, a Laser Printer, a Scanner and a Photocopier. Computers will be having special software for analyzing and process of Geophysical data. All the computers will have connection with the main network of the University and internet. A large number of international research journals will be made available on the Digital Literary provided by the Higher Education Commission, where students can download research articles of their interests.

**GIS lab:** GIS lab will established in the Department to get high resolution images through various satellite. Special and temporal images will be soug through remote sensing techniques.



# ENVIRONMENTAL SCIENCES

## Program(s)

BS (Environmental Sciences)

## Eligibility

F.Sc. or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

There is no doubt that a career in environmental science is a career for the future approaches in science and technologies. There's nothing more important than the health of our mother green planet. If you're dreaming of a career that will truly enable you to make a positive impact, that improve the atmosphere around you and for generations to come by studying Environmental Science at University of Balochistan.

The term '**Environmental science**' is a cluster of scientific knowledge that are all concerned with the physical, chemical and biological characteristics of the surroundings in which organisms live i.e. biological chemistry, climatology, ecology, geo-physics etc. Environmental science also explores the cultural, societal and political traits of environmental issue. Thus, the understanding and responding to environmental problems requires the kinds of critical and sustainable management approaches that are uplift to ever day life.

In the Department of Environmental Science, you'll have access to have outstanding qualified professional teaching staff and experienced lab faculty to facilities with the capabilities in context of environmental science, biotechnology, chemistry etc, every student will get practical, hands-on experience while being immersed in research and innovation.

In Environmental Science department student will be well prepared for an exciting future career and departmental activities are for enhancing students research and learning skills through collaboration with other universities in Pakistan and abroad for participating and organizing conferences and workshops. The main objective is to understand the principles and processes that govern our natural mother plant and join hand together to make it safe and healthier living.

## Vocational Job Opportunities/ Marketability of Graduates

This unique experience and skill set prepares you for careers in a variety of fields. The graduates from BS in Environmental Science would be able to take up in educational and research organizations. They also in position to take up managerial and consultative responsibilities in multinational organizations, environmental management and protection, environmental and sustainability, pollution control and land rehabilitation, water resources management, nature conservation, civic services departments, public health organization, NGOs (IUCN, UNDP etc) pharma and related industries and also environmental regulatory bodies. The curriculum designed shall focus on the basic understanding of complexity of environmental challenges.



The concept behind the course is to widely explain the nature role its interaction with human and animals and microorganism and also focus on interdisciplinary responses. Through activities and group discussion the curriculum is design in which a way to creative an active and energetic team to evolve the strategies to confront with environmental concern through positive approaches with emphasis to save our mother land.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Environmental Science	Biology-I	Basic Chemistry	Mathematics	English-I	Pakistan Studies
	<b>Course Code</b>	ES 601	ZOOL 601	CHEM 601	MATH 601	ENG 601	PAKS 601
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Earth Sciences	Biology-II	Statistics	Sociology/Antropology	English-II	Islamic Studies / Ethics
	<b>Course Code</b>	ES 602	ZOOL 602	STATS 601	SOC 601	ENG 602	ISL 601
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(1-2)	3(3-0)	3(2-1)	2(2-1)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Introduction to Computer	Environmental Chemistry	Environmental Physics	Introductory Economics	English-III	Philosophy
	<b>Course Code</b>	CS 601	ES 603	ES 604	ECO 601	ENG 603	PS 601
	<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Fundamentals of Ecology	Environmental Microbiology	Environmental Pollution	Climatology	Psychology	English-IV
	<b>Course Code</b>	ES 605	ES 606	ES 607	ES 608	PSY 601	ENG 604
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Applied Ecology	Environmental Toxicology	Environmental Profile of Pakistan	Population and Environment	Analytical Techniques in Environmental Sciences	ELECTIVE-I
	<b>Course Code</b>	ES 609	ES 610	ES 611	ES 612	ES 613	ES
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(2-1)	3(3-0)
	<b>Sem-6</b> Total 18 Credit Hrs.	Environmental Economics	Geographic Information System and Remote Sensing	Environmental Management Systems	Biodiversity and Conservation	Environmental Monitoring	ELECTIVE-II
	<b>Course Code</b>	ES 614	ES 615	ES 617	ES 618	ES 619	ES
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(2-1)	3(2-1)	3(3-0)	
Year 3	<b>Sem-7</b> Total 18 Credit Hrs.	Climate Change	Environmental Impact Assessment	Natural Resource Management	Research Methods in Environmental Science	ELECTIVE-III	ELECTIVE-IV
	<b>Course Code</b>	ES 619	ES 620	ES 621	ES 622	ES	ES
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 12 Credit Hrs.	Environmental Governance	Public Health and Environment	Pollution Control Technologies	Final Year Project/Internship	-	-
	<b>Course Code</b>	ES 623	ES 624	ES 625	-	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(3-0)	-	-	

**Total Credit Hours: 136**

Elective Courses			
Biology-I	Basic Chemistry	Biology-II	Sociology / Anthropology
ZOOL 601	CHEM 601	ZOOL 602	SOC 601
3 (2-1)	3 (2-1)	3 (2-1)	3 (3-0)
Introductory Economics	Philosophy	Psychology	-
ECO 601	PS 601	PSY 601	-
3 (3-0)	3 (3-0)	3 (3-0)	-

## Facilities

**Departmental Library:** The Department library is in process to purchase required books well in advanced before commencement of the program. The for the time being student will be given access to relevant book in the Department of Geology next door to Seismology and Geophysical studies which contains more than 2500 textbooks, reference books, geological encyclopedias, etc.



# PROSPECTUS

BACHELORS STUDY PROGRAMS  
2023



## Faculty of Management and Information Sciences:

- ▼ Commerce
- ▼ Economics
- ▼ Institute of Management Sciences
- ▼ Library & Information Science



# COMMERCE

## Program(s)

- BS Commerce (Morning) Program
- BS Commerce (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate FA, F.Sc, ICS, I.Com

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of Commerce has evolved as one of the flagship departments of the University of Balochistan. Department of commerce was amongst the program started at the establishment time of the University of Balochistan. Since that time the department has been contributing in developing human resource of the province in field of Accounting, Banking, Finance, Taxation etc. with a profound understanding of the theoretical and practical aspects of commerce as a discipline and as a real-life phenomenon. Since its inception in 1973, the department has reached milestones in its growth and development of the human resource. Starting with undergraduate studies, the department has gradually expanded to include post-graduate programmes. The department provides a viable educational environment that tends to foster both the research and analytical skills of the students. The department has conducted seminars, debates, dialogues, and workshops to develop cadres of quality human resources in the domains of commerce, industry, and business at local, national, and international levels.

The Department has been revising the curriculum from time to time to reflect advancements in various fields of commerce and meet the challenges of future. The department has transitioned to a semester-based teaching system under the new curriculum. The department currently provides 40 core courses, four elective/specialization courses, and a research project in its BS – Commerce 4 years degree program, which is offered in both morning and evening sessions. M.Phil and PhD programmes have also been introduced to meet provincial demands in the field of commerce.

Leadership and faculty of the department are seeking ways to enable the students to be the business leaders, managers, entrepreneurs, auditors, bankers of tomorrow. This approach would definitely lead students towards their targeted job market and make their way towards the destination of professionalism. Alumni record validates that a major portion of the provincial workforce in the business and banking sectors have already graduated from the Department of Commerce, UoB, either at bachelor or master levels.

## Vision

The department intends to be one of the leading centres of excellence in commerce education and research in the country.

## Mission

The Department strives to impart quality education in the area of commerce, reinforced by experiential learning administered to students who will play significant and productive roles in the development of Pakistan's economy within the global business environment.

## Goals

To provide an updated, well-informed, and fresh knowledge base by updating the curriculum of the study programmes in order to meet the leading regional and global challenges and capitalize on the opportunities created by the China-Pakistan Economic Corridor (CPEC) at the national and particularly provincial levels.

To create an environment based on learning and education for cadres of students from diverse backgrounds in order to create a high quality human resource through study programmes of B.S (four-year program), M.Com, M.Phil, and PhD programs.

### Career Opportunities:

Alumni of the Department of Commerce are currently engaged in different fields of public and private sector, like NGOs, education, business, and especially banking, Accounts & Audit Offices etc. Hence, commerce students may seek a career/job in the following areas:

- Financial Institutions.
- Audit & Accountancy Firms.
- Federal & Provincial Audit Departments.
- Industries & Commerce Department.
- Taxation Management.
- Banking Sector.
- Entrepreneurship.
- Local and Multinational NGO's.
- Public and Private Sector Organizations.
- Commerce Colleges.

## BS – Commerce (4 Years/ 8 Semesters)

### Program Introduction:

The BS (Commerce) is a 4 year's degree program with aspiration to learn the particulars of Business & Commerce. The program covers topics like Accounting, Finance, Banking, Auditing & Taxation, Accounting & Finance and Banking & Finance etc. The graduates with BS (Commerce) degrees may look forward to serve in a variety of settings ranging from Industry, Banking, Planning and Development and Financial Institutions.

Moreover, the qualification further emphasizes the participant to meet the needs of entering into middle & top level management in various departments such as finance, accounting, auditing and taxation.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Islamic Studies	Functional English	Introduction to Business	Principles of Accounting	Micro Economics	Business Mathematics
	<b>Course Code</b>	ISL-501	ENG-502	COM-503	COM-502	COM-510	COM-516
	<b>Credit Hrs.</b>	2+0	3+0	3+0	3+0	3+0	3+0
	<b>Sem-2</b> Total 17 Credit Hrs.	Pakistan Studies	Business Communication	Computer Applications in Business	Financial Accounting	Macro Economics	Business Statistics
	<b>Course Code</b>	GEN-501	COM-504	COM-501	COM-505	COM-511	COM-506
	<b>Credit Hrs.</b>	2+0	3+0	3+0	3+0	3+0	3+0
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Business Law	Technical Writing and Presentation Skills	Introduction to Business Finance	Advanced Accounting – I	Economic issues of Pakistan	Introduction to Psychology and Organization Behavior
	<b>Course Code</b>	COM-517	COM-515	COM-518	COM-513	COM-512	COM-509
	<b>Credit Hrs.</b>	3+0	3+0	3+0	3+0	3+0	3+0
	<b>Sem-4</b> Total 18 Credit Hrs.	Introduction to Sociology	Information Technology in Business	Cost Accounting	Advanced Accounting – II	Principles of Management	Inferential Statistics
	<b>Course Code</b>	GED-502	CMP-508	COM-508	COM-514	COM-501	COM-507
	<b>Credit Hrs.</b>	3+0	3+0	3+0	3+0	3+0	3+0

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Business Research Methods	Managerial Economics	Financial Management	Principles of Marketing	Money and Banking	Leadership and Community Development
	<b>Course Code</b>	COM-607	COM-604	COM-610	COM-601	COM-602	COM-614
	<b>Credit Hrs.</b>	3+0	3+0	3+0	3+0	3+0	3+0
	<b>Sem-6</b> Total 18 Credit Hrs.	Logic and Critical Thinking	Principles of Auditing	Human Resource Management	Managerial Accounting	Entrepreneurship and SMEs Management	Corporate Laws and Secretarial Practices
	<b>Course Code</b>	PHIL-601	COM-605	COM-603	COM-609	COM-606	COM-611
<b>Credit Hrs.</b>	3+0	3+0	3+0	3+0	3+0	3+0	
Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Strategic Management	Business Taxation	E-commerce / Computerized Accounting	Elective – I	Elective – II	
	<b>Course Code</b>	COM-608	COM-613	COM-601	XXX	XXX	
	<b>Credit Hrs.</b>	3+0	3+0	3+0	3+0	3+0	
	<b>Sem-8</b> Total 15 Credit Hrs.	Corporate Governance	Elective – III	Elective – IV	Internship and Viva Voce (3+3)/ Research Project and Viva Voce (6)	-	
	<b>Course Code</b>	COM-612	XXX	XXX	XXX	-	
<b>Credit Hrs.</b>	3+0	3+0	3+0	6+0	-		

### Field of Specialization

#### 1. Accounting (Any 4 Courses)

Course Code.	Courses	Credit Hour's
ACC – 601.	Financial Reporting.	3+0
ACC – 602.	Public Sector Accounting.	3+0
ACC – 603.	Company Accounting	3+0
ACC – 604.	Strategic Management Accounting.	3+0
ACC – 605.	Accounting Information Systems.	3+0
ACC – 606.	Cost Accounting Applications.	3+0
ACC – 607.	Analysis of Financial Statements.	3+0
ACC – 608.	International Accounting.	3+0
ACC – 609.	Forensic Accounting.	3+0

#### 2. Finance (Any 4 Courses)

Course Code.	Courses	Credit Hour's
FIN – 601.	Corporate Finance.	3+0
FIN – 602.	Investment and Portfolio Management.	3+0
FIN – 603.	Risk Management.	3+0
FIN – 604.	Financial Markets and Institutions.	3+0
FIN – 605.	International Financial Management.	3+0
FIN – 606.	Islamic Modes of Financing.	3+0
FIN – 607.	Financial Derivatives – Theory and Practice.	3+0
FIN – 608.	Treasury and Fund Management.	3+0
FIN – 609.	Project Finance and Evaluation.	3+0

FIN – 610.	International Trade Finance and Foreign Exchange Operations.	3+0
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### 3. Banking (Any 4 Courses)

Course Code.	Courses	Credit Hour's
BNK – 601.	Banking Laws and Practices.	3+0
BNK – 602.	Dynamics of Consumer Banking.	3+0
BNK – 603.	Islamic Banking and Finance.	3+0
BNK – 604.	Credit and Risk Management in Banking Sector.	3+0
BNK – 605.	E-banking.	3+0
BNK – 606.	Anti-money Laundering – Measures and Control.	3+0
BNK – 607.	SME banking.	3+0
BNK – 608.	NBFC's and Micro-financing.	3+0
BNK – 609.	International Banking.	3+0
BNK – 610.	Management of Banking Operations.	3+0

### 4. Auditing and Taxation (4 Courses – 2 from each segment without overlapping)

AUDITING		TAXATION	
Course Code.	Courses	Course Code.	Courses
AUD – 601.	Auditing and Assurance.	TAX – 601.	Income Tax Laws
AUD – 602.	Forensic and Investigation Auditing.	TAX – 602.	Sales Tax Laws,
AUD – 603.	Internal Control System, Information Systems and Compliance.	TAX – 603.	Excise and Customs Duty Laws.
AUD – 604.	Performance Audit and Evaluation.	TAX – 604.	Global Taxation.

### 5. Accounting and Finance (4 Courses – 2 from each segment without overlapping)

ACCOUNTING		FINANCE	
Course Code.	Courses	Course Code.	Courses
ACC – 601.	Financial Reporting.	FIN – 601.	Corporate Finance.
ACC – 602.	Public Sector Accounting.	FIN – 602.	Investment and Portfolio Management.
ACC – 603.	Company Accounting	FIN – 603.	Risk Management.
ACC – 604.	Strategic Management Accounting.	FIN – 604.	Financial Markets and Institutions.
ACC – 605.	Accounting Information Systems.	FIN – 605.	International Financial Management.
ACC – 606.	Cost Accounting Applications.	FIN – 606.	Islamic Modes of Financing.
ACC – 607.	Analysis of Financial Statements.	FIN – 607.	Financial Derivatives – Theory and Practice.
ACC – 608.	International Accounting.	FIN – 608.	Treasury and Fund Management.
ACC – 609.	Forensic Accounting.	FIN – 609.	Project Finance and Evaluation.
		FIN – 610.	International Trade Finance and Foreign Exchange Operations.

## 6. Banking and Finance ( 4 Courses – 2 from each segment without overlapping)

BANKING		FINANCE	
Course Code.	Courses	Course Code.	Courses
BNK – 601.	Banking Laws and Practices.	FIN – 601.	Corporate Finance.
BNK – 602.	Dynamics of Consumer Banking.	FIN – 602.	Investment and Portfolio Management.
BNK – 603.	Islamic Banking and Finance.	FIN – 603.	Risk Management.
BNK – 604.	Credit and Risk Management in Banking Sector.	FIN – 604.	Financial Markets and Institutions.
BNK – 605.	E-banking.	FIN – 605.	International Financial Management.
BNK – 606.	Anti-money Laundering – Measures and Control.	FIN – 606.	Islamic Modes of Financing.
BNK – 607.	SME banking.	FIN – 607.	Financial Derivatives – Theory and Practice.
BNK – 608.	NBFC's and Micro-financing.	FIN – 608.	Treasury and Fund Management.
BNK – 609.	International Banking.	FIN – 609.	Project Finance and Evaluation.
BNK – 610.	Management of Banking Operations.	FIN – 610.	International Trade Finance and Foreign Exchange Operations.



# INSTITUTE OF MANAGEMENT SCIENCES

## Program(s)

- BBA (Morning) Program
- BPA (Morning) Program
- BBA (Afternoon) Program  
(Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters) Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 15-18 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The leading economic, cultural and environmental changes at global level have largely impacted nations and societies all over the world. The free market economy and trade liberalization policies have figured out the need of modern institutional networks that seeks for highly efficient and vigilant management systems at different public and private sector institutions. While zooming in the emerging situation and peculiar challenges and opportunities in Pakistan generally and Balochistan especially, the discipline of management sciences need to be highly responsive and relevant to the needs of the people.

The inception of IMS in 2000 was aimed to impart quality education in management and administration to strengthen the human resource base in Balochistan. The Institute started its journey with the name of Department of Administrative Sciences in 1989 and Mr. Muhammad Hassan Shaikh was as the first Chairman of the department. The department was upgraded to the Institute of Management Sciences on 2000.

The IMS has established high quality of study programs, research, analysis and practice environment and since inception has created cadres of high quality of HR that are contributing in various institutions as leaders, managers and administrators.

## Objectives

To design and develop programs that can fulfill the need of producing quality human resource in the fields of specialized functional areas of management sciences, including management information systems and to develop cadres of conceptually and technically equipped professionals in Management Sciences who can contribute as leaders, managers and creators of the management systems and institutions in the public and private sectors organizations.

To develop human resource for undertaking applied and synthesizing research ventures, in-depth analysis and practical skills for responding on the basic issues, challenges and opportunities of economy, commerce, and services at various public and private sectors.



## Job/Career Opportunities

- Private and Public Sectors Organizations.
- Financial Institutions.
- Insurance Companies.
- Local and Multinational NGOs.

SEMESTER BREAKUP (BBA) (126 Credit Hours, 42 courses @ 3Credit hour each)							
Year 1	<b>Sem-1 Total 15 Credit Hrs.</b>	Functional English-I	Islamic Studies	Business Mathematics	Introduction to Management	Computer Application Packages	
	<b>Course Code</b>	BA-501	BA-505	BA-507	BA-534	BA-539	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-2 Total 15 Credit Hrs.</b>	Functional English-II	Pakistan Studies	Micro Economics	Financial Accounting-I	Principles of Marketing	
	<b>Course Code</b>	BA-502	BA-506	BA-509	BA-531	BA-532	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
Year 2	<b>Sem-3 Total 15 Credit Hrs.</b>	Business Communication – I	Macro Economics	Financial Accounting-II	Human Resource Management	Introduction to Sociology	
	<b>Course Code</b>	BA-503	BA-538	BA-541	BA-535	BA-512	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-4 Total 15 Credit Hrs.</b>	Business Communication – II	Business Statistics-I	Introduction to Psychology	Analysis of Pakistani Economy	International Relations and Affairs	
	<b>Course Code</b>	BA-504	BA-508	BA-511	BA-513	BA-516	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
Year 3	<b>Sem-5 Total 15 Credit Hrs.</b>	Business Statistics-II	Financial Management	Marketing Management	Business Ethics	Specialization I	
	<b>Course Code</b>	BA-554	BA-533	BA-542	BA-514	-	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-6 Total 15 Credit Hrs.</b>	Business Law	Business Research Methods	E-commerce	Consumer Behavior	Specialization II	
	<b>Course Code</b>	BA-536	BA-537	BA-525	BA-543	-	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
Year 4	<b>Sem-7 Total 18 Credit Hrs.</b>	Criminology and Social Deviance	Operations Management	Organizational Behavior	Management Information System	Project/ Thesis (3 Cr Hrs)	Specialization III
	<b>Course Code</b>	BA-517	BA-545	BA-551	BA-544	BA-560	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8 Total 18 Credit Hrs.</b>	Strategic Management	International Business	Arabic/Chinese/ French	Cost Accounting	Project/Thesis (3 Cr Hrs)	Specialization IV
	<b>Course Code</b>	BA-556	BA-555	BA-515	BA-553	BA-560	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Note:F-core = Foundation Core; M-Core = Major Core.

1. BA-560 (Project/Thesis) is of 6 credit hours. However, it is recommended that the total duration for Project/Thesis may be spread over two semesters (during final year) and may be evaluated by the concerned teacher/research supervisor at the end of 8<sup>th</sup> semester.
2. The selection of General and Elective courses (from the available/suggested subjects list/titles) is contingent on the availability of the subject specialist in the relevant field and the approval of the Departmental Executive Committee.

SEMESTER BREAKUP (BPA) (126 Credit Hours, 42 courses @ 3Credit hour each)							
Year 1	<b>Sem-1 Total 14 Credit Hrs.</b>	English Comprehension / English I	Introduction to Computers	Pakistan Studies	Introduction to Public Administration	Microeconomics	-
	<b>Course Code</b>						-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	-
	<b>Sem-2 Total 17 Credit Hrs.</b>	Technical English Writing / English II	Introduction to Sociology	Islamic Studies/Ethics	Fundamentals of Mathematics	Macroeconomics	Principles of Management
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3 Total 18 Credit Hrs.</b>	Introduction to Statistics	Communication Skills / English III	Logic & Critical Thinking	Financial Accounting	Administrative Ethics	Introduction to Psychology
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4 Total 18 Credit Hrs.</b>	International Language (Any) / English IV	Organizational Behavior	World Civilization	Introduction to Public Policy	Principles of Marketing	Human Resource Management
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5 Total 18 Credit Hrs.</b>	Government & Society in Pakistan	Principles of Public Finance	Introduction to Development Economics	Applied Statistics for Managers	Political & Constitutional Development in Pakistan	Financial Management
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6 Total 18 Credit Hrs.</b>	Research Methods & Techniques	Administrative Law & Accountability	International Relations	Decentralization & Governance	Social Entrepreneurship	Public Policy Analysis
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 4	<b>Sem-7 Total 15 Credit Hrs.</b>	Area of Specialization Course – I	Area of Specialization Course – II	Strategic Management	Managing Public & Non-Profit Organizations	Contemporary Issues of Public Admin in Pakistan	
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8 Total 15 Credit Hrs.</b>	Area of Specialization Course – III	Area of Specialization Course – IV	Project Management	(Research Project or Internship Report) & Viva Voce	-	
	<b>Course Code</b>					-	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-		

## Facilities

**Access to Computer:** The institute has two laboratories equipped with almost 70 computers and 10 laptops with internet and latest software facilities. The technical staff strives to technically support students in exploring their required academic and research stuff and assignments and analysis.

**Departmental Library:** The Departmental Library is managed by a qualified librarian and has a large collection of latest books, research journals, periodicals and magazines covering a wide range of disciplines in Management Sciences for teaching and research purposes.

**Conference rooms:** Two department has two state of the art conference rooms equipped with all the modern facilities including slides, overhead projector, Portable multimedia and proper sound system.

**Meeting room:** A meeting room which can accommodate 30 people.

**Provision of WI-FI Connections:** Department tends to provide free access to WI-FI for all students enrolled in the department.



# ECONOMICS

## Program(s)

- BS Economics (Morning) Program
- BS Economics (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Incepted in 1971, the Department of Economics is one of the initial departments of University of Balochistan which has evolved from the experiences carried out at government degree college Quetta. The need of establishing this department was highly felt at various levels. The contribution of department at various levels has always validated the need and rational of this very important discipline in the province.

As a discipline of social sciences, Economics tends to seek and explore the relationship between needs and scarce means which have alternative uses. Economics is the study of general principals of administration of resources, of an individual, a household, a business, or a State; this also includes the examination of the way in which waste arises in all such administration. Economic phenomenon or activity means every systematic Endeavour to satisfy a material need, or more precisely one which seeks with the available means to achieve the best possible results, or a given result with the least possible means.

In the course of consistent 55 years, the department has built viable academic and research systems, highly skilled and intellectual recognized faculty, trained and educated thousands of the young economists at provincial and national levels.

## Objectives

- To foster a viable research, teaching and practice environment in the department that can potentially promote learning through quality teaching and research, while encouraging mutual respect, tolerance and sensitivity at society.
- To prepare economic practitioners and researchers that can contribute in shifting the paradigm of economics at national and provincial levels while working with public and private sector organizations and institutions.

## Job/Career Opportunities

- Provincial & federal public-sector departments; Planning & Development, Irrigation, Agriculture, Industries, Finance, Trade & Commerce
- Financial Institutions & organizations such as; Planning Commission, State Bank, Commercial Banks, Zari Taraqati Bank, Micro Finance Banks, Development Financial institutions PICIC, TDAP, BOI, Research Institutes
- Private Sector Organizations
- Bilateral and Multilateral International Development Donor Organizations e.g. World Bank, UNDP, JICA, CIDA, etc.
- NGOs (local, national and international)

## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	English I	Principles of Microeconomics	Islamic Studies	Mathematics I	Introduction to Computer	History
	<b>Course Code</b>	ENG601	ECON611	ISL611	MATH612	CS613	HIS604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English II	Pakistan Studies	Principles of Macroeconomics	Ethics and Values*	Optional (Diversification Course from other Disciplines)	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ENG602	PS614	ECON612	EV615		
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English III	Intermediate Microeconomics	Development Economics	Statistics I	Optional (Diversification Course from other Disciplines)	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ENG603	ECON621	ECON622	ECON623		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Communication Skills**	Intermediate Macroeconomics	Statistics II	World Economic History	Optional (Diversification Course from other Disciplines)	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ENG604	ECON624	ECON625	ECON626		
<b>Credit Hrs.</b>	3(3-0)	6(6-0)	3(3-0)	3(3-0)	3(3-0)		

Year 3	<b>Sem-3</b> Total 18 Credit Hrs.	Microeconomics Theory	Macroeconomics Theory	Mathematical Economics I	Issues in Pakistan Economy	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ECON631	ECON632	ECON633	ECON634	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Economic Growth	Econometrics I	Mathematical Economics II	Research Methods	Public Sector Economics
	<b>Course Code</b>	ECON635	ECON636	ECON637	ECON642	ECON643
<b>Credit Hrs.</b>	3(3-0)	6(6-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-3</b> Total 18 Credit Hrs.	International Trade Theory	Econometrics II	Research Project	Elective I	Elective II
	<b>Course Code</b>	ECON641	ECON644	ECON650		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Entrepreneurial Economics	Islamic Economics	Monetary Economics	Elective III	Elective IV
	<b>Course Code</b>	International Trade Theory	Econometrics II	Research Project	Elective I	Elective II
<b>Credit Hrs.</b>	ECON641	ECON644	ECON650			

### Facilities

**Reference Library:** The department has developed a full fledged library that timely facilitate all the students enrolled in different programs. The library is named after Prof. Shukarullah

who is one amongst the architects of this department. Qualified librarian support students with above 3000 books available on economic and other interdisciplinary subjects. A large number of international research journals are also available on the digital library. journals of reputed national institutions are also available in the departmental library.

**Internet and ICT:** Department provide learning and practice of Information and Communication Technology especially its applications in the field of economics. Free access to WI-FI networks is also facilitated by the department.



# LIBRARY & INFORMATION SCIENCE

## Program(s)

- Library & Information Science (Morning) Program
- Library & Information Science (Evening) Program (Self-Finance) 5:00 PM to 8:00 PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Libraries are playing central role for the growth and development of societies. The study of civilizations indicates that nations who shifted the history have evolved their culture on the basis of wisdom derived from the knowledge base produced and conserved in archives and libraries. The Library Science has emerged as one of the ancient disciplines historically. The emergence of academic and research institutions particularly owe library as an innate organ of its structure. Schools, Colleges, Research and Language Academies and Universities particularly have libraries that need trained and professional human resource. With the growth of libraries need for professional careers arose both in libraries and information centers. Accordingly, library and information centers emerged as vital discipline. The Libraries in Balochistan were being managed mostly by untrained librarians. With the passage of time the need for trained library professionals became evident.

In 1981 University of Balochistan launched its Department of Library Science (now Library and Information Science). The Department of Library and Information Science started Diploma in library science in 1981 following by MLS in 1984 under the chairmanship of Iftikharuddin Khawaja. Whereas, in 2006 MLIS introduced by revoking DLS and MLS. The department also started M.Phil. program in 2016 and 4 years BS program started in Autumn 2018.



## Objectives

- To foster an environment of learning, practice and analysis for creating qualified and focused professionals in the field of Library and Information Sciences, so that demands of the public and private sectors could be met accordingly.
- To foster the portfolios of research and teaching of Library and Information Sciences that can upgrade the quality of systems and tools for effectively managing and enhancing the libraries and information centers.
- To create an understanding among the students about information dynamics and its relativity with the body of knowledge.
- To inculcate skills among students for evaluation, interpretation and use of information and documents in various forms.
- To develop the skills of students for the organization of information sources and documents.
- To make the students aware of the service philosophy of library and information organization and to develop relevant skills to design and delivery of appropriate information services.
- To develop an understanding among students about the properties of literature in specialized domains and how these are reflected in management of different types of library and information agencies.
- To develop skills of students about the use of scientific methods of research and to promote problem oriented research related to subject of library and information science.
- To develop understanding among the students about the application of information technology for efficient organization, storage and retrieval of information.
- To develop competencies among students for the management of libraries and information centers.

## Job/Career Opportunities

- Educational institutions in the public / private sector.
- Government / Semi Government and non-Governmental organizations.
- Libraries and information resource centers



SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	ENGLISH-I	PAKISTAN STUDIES	INTRODUCTION TO COMPUTER	GENERAL-I	Evolution of Libraries & Information Sources	Information, Library & Society (FOUNDATION-I)
	<b>Course Code</b>	ENG-101	PKS-102	COM-103	GEN-104	LIS-602	LIS-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	ENGLISH-II	ISLAMIC STUDIES / ETHICS	MATHEMATICS	GENERAL- III	<i>Management of Library &amp; Information Services (FOUNDATION-VII )</i>	Collection development and management (FOUNDATION-II )
	<b>Course Code</b>	ENG-107	ISL-108	MAT-109	GEN-110	LIS-607	LIS-610
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	ENGLISH-III	BASIC STATISTICS	GENERAL-V	Information Literacy (MAJOR- XI)	User Services in Libraries (FOUNDATION-III )	
	<b>Course Code</b>	ENG-201	STA-202	GEN-203	LIS-621	LIS-603	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-4</b> Total 15 Credit Hrs.	ENGLISH-IV (Seminar Based Oral Communication Skills)	GENERAL-VII	Use of Emerging Technologies in Library (FOUNDATION-IV)	Organization of Information (Int. to Classification) (FOUNDATION-V )	GENERAL-II (ECO334)	
	<b>Course Code</b>	ENG-206	GEN-207	LIS-604	LIS-605	GEN-105	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	4(3-1)	3(3-0)		
Year 3	<b>Sem-5</b> Total 16 Credit Hrs.	<u>GENERAL-IV</u>	Introduction to Publishing and Book Trade (FOUNDATION- VIII )	Applied Classification (MAJOR-I )	Organization of Information (Introduction to Cataloguing) (MAJOR-II)	Marketing of Library and Information Services (MAJOR-III)	
	<b>Course Code</b>	GEN-111	LIS-608	LIS-611	LIS-609	LIS-619	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)	
	<b>Sem-6</b> Total 17 Credit Hrs.	Quantitative Research Methods (FOUNDATION-IX )	Basic Reference Sources (FOUNDATION-X )	Applied Cataloguing (MAJOR-IV)	Library Automation Systems (MAJOR- V)	GENERAL-VI	
	<b>Course Code</b>	LIS-614	LIS-606	LIS-609	LIS-618	GEN-204	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	3(3-0)		
Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Library & Information Services in Pakistan (MAJOR-VII )	Indexing and Abstracting (MAJOR-VIII)	Resource Sharing and Networking (MAJOR-IX)	ELECTIVE-I	ELECTIVE-II	Qualitative Research Methods (MAJOR-VI)
	<b>Course Code</b>	LIS-616	LIS-617	LIS-613	LIS-624	LIS-628	LIS-615
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 16 Credit Hrs.	Information Storage and Retrieval (MAJOR-X)	Bibliography: Theory and Practice	ELECTIVE- III/Research Project	ELECTIVE-IV /Research Project	RESEARCH PROJ/INTERN SHIP (Major XII)	-
	<b>Course Code</b>	LIS-620	LIS-622	LIS-633	LIS-639	LIS-623	-
<b>Credit Hrs.</b>	2(2-0)	3(3-0)	3(3-0)	3(3-0)	-	-	

**Total Credit Hours: 131**

Major Courses including research project/ internship				
Applied Classification	Applied Cataloguing	Resource Sharing and Networking	Quantitative Research Methods	Qualitative Research Methods
LIS-611	LIS-612	LIS-613	LIS-614	LIS-615
Library & Information Services in Pakistan	Indexing and Abstracting	Library Automation Systems	Marketing of Library and Information Services	Information Storage and Retrieval
LIS-616	LIS-617	LIS-618	LIS-619	LIS-620
Information Literacy	Bibliography: Theory and practice	Research Project / Internship	-	-
LIS-621	LIS-622	LIS-623	-	-

Elective Courses within the Major				
Digital Libraries	Media Librarianship	Data Base Design & Management	Web Development	Knowledge Management
LIS-624	LIS-624	LIS-624	LIS-624	LIS-624
Human Resource Management	Financial Management	Archives & Records Management	Intellectual Property Rights	Bibliographic Control
LIS-624	LIS-624	LIS-624	LIS-624	LIS-624
Project Management	Preservation & Conservation of Library Material	Serial's Management	Information Sources on Islam and Pakistan	Information Sources on Business & Industry
LIS-624	LIS-624	LIS-624	LIS-624	LIS-624

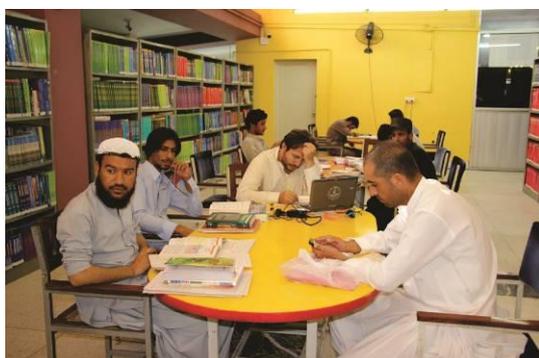
**N. B.** The students can opt "Thesis" as an elective course in terms of obtaining required (CGPA) i.e. 2.50 OR otherwise, if the students are not willing to opt thesis then they will have to study the courses that are LIS-627& LIS 628.

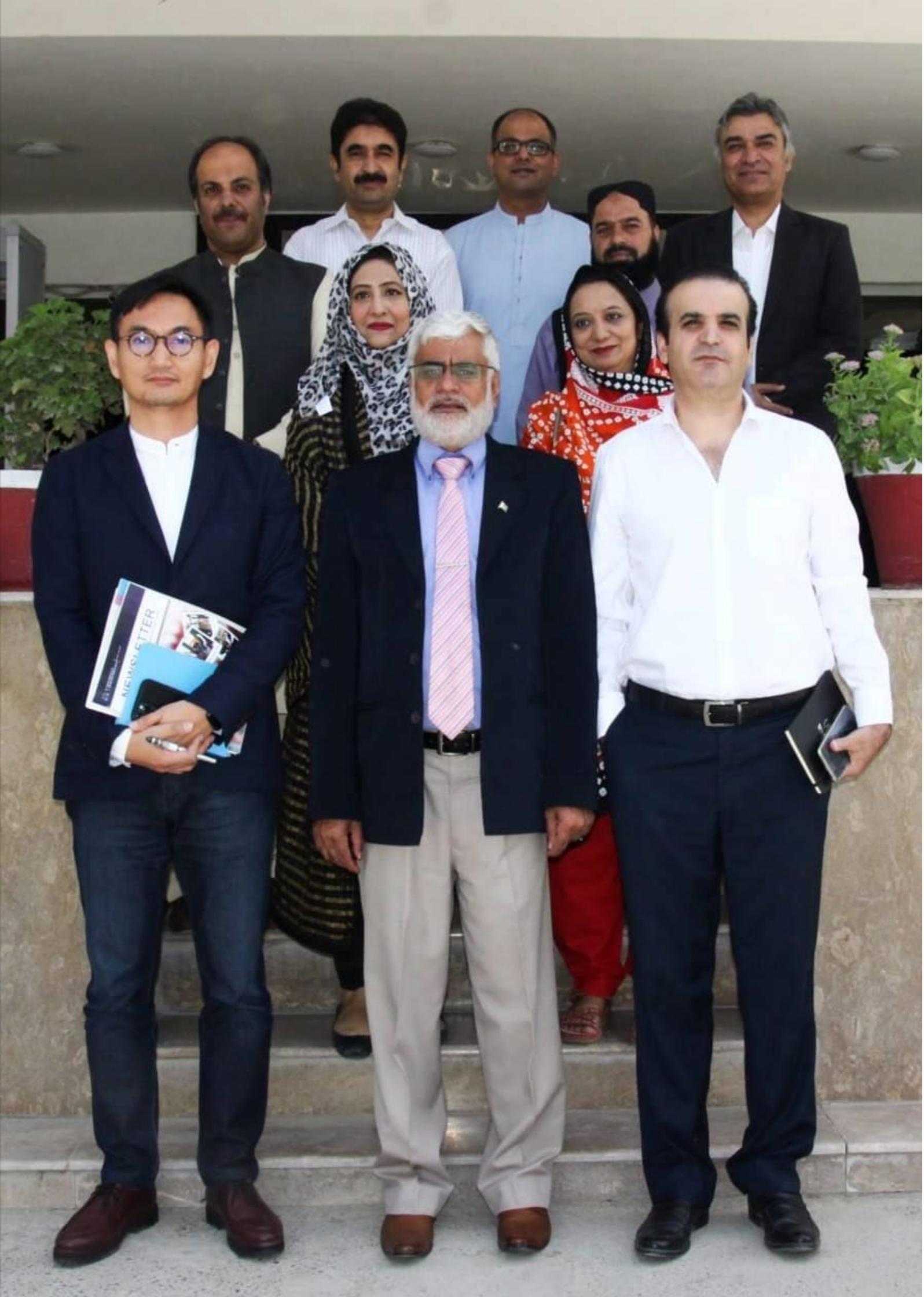
### Facilities

**Departmental library:** The departmental library contains 1075 books and 350 theses for the learning, teaching and research purposes.

**Computer / Internet:** A Computer lab of 10 Pentium IV and 10 Core i 5 with 10 Wireless LAN Card as well as Internet facility is available as a requirement of practical work to meet the objectives of curricula to promote research activities and academic achievements.

**Multimedia / Over Head Projector:** Multimedia and Over Head Projector are available for academic and research activities.





# PROSPECTUS

BACHELORS STUDY PROGRAMS  
2023



## Faculty of Biological, Pharmaceutical & Health Sciences:

- ▼ Institute of Biochemistry
- ▼ Botany
- ▼ Microbiology
- ▼ Zoology
- ▼ Pharm-D
- ▼ DPT



# INSTITUTE OF BIOCHEMISTRY

## Program(s)

BS (Biochemistry/ Biotechnology)

## Eligibility

F.Sc. (Pre-Medical)/ A-Levels (with Chemistry & Biology)

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Institute of Biochemistry, was established in 1986 initially as a research Institute entertaining only M.Phil / Ph.D students. Later in 1991 M.Sc. Program in Biochemistry was started. In 2006, BS (4 years) program in Biochemistry and Biotechnology was also started.

Biochemistry seeks to understand & explain living systems at the molecular level. It is a scientific discipline that finds applications across the biomedical & biological sciences & underpins the biotechnology revolution. It is developing at a rapid pace and has become an exciting and challenging subject.

Biochemistry tries to answer questions that are fundamental to life. What are the molecules that constitute living organisms? How are they made and how is their synthesis regulated? How are they organized into cells? How they interact with each other and how is their synthesis regulated? What is the molecular basis of such processes as genetic inheritance, immunological recognition of self and non- self? What goes wrong to cause human diseases such as cancer, heart attacks, Alzheimer and diabetes and how can such errors be corrected? This knowledge finds practical applications in medicine, agriculture, brewing and biotechnology. Biochemists devise new ways of diagnosing and treating human, animal and plant diseases.

## Objectives:

- To prepare graduates in modern biological science such as Biochemistry/ Biotechnology who are able to make a valuable beginning in many different careers in their practical life.
- To emphasis on research program exploring variety of technically feasible projects having socioeconomic importance, so as to be on the front line in solving our own problems in the area of biological sciences.
- To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas effectively.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Bio-chemistry to meet the future needs of educational institutes and industry.
- To prepare researchers to meet the needs of industry and research organizations, science and technology.

## Job/Career Opportunities

- Pharmaceutical /food industries.

- Public/Private research Institutes/centers relating to medical and agriculture.
- Educational Institutions-College/University level.
- Balochistan at present has become a hub of socio-economic activities. It is expanding its infrastructure and encourages development of industry. Numerous food & Pharmaceutical Industries are recently established in Hub. The PCSIR laboratory in Quetta is currently being expanded creating new job opportunities. In the teaching sector, a number of new Universities and Colleges in Balochistan are offering opportunities for Biochemistry graduates. Nationally also, research in Biomedical Sciences is attracting attention.

SEMESTER BREAKUP						
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	English	Islamiat	Organic chemistry	Haematology	Food and Nutrition
	<b>Course Code</b>	Eng-401	Isl-401	Bio-403	Bio-404	Bio-405
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-2</b> Total 17 Credit Hrs.	English II	Maths	Pak Studies	Bio-Organic	Micro-Biology
	<b>Course Code</b>	Eng-402	Mat-401	Pks-401	Bio-406	Bio-407
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Basic Biochemistry	Enzymology	Bio-Analytical	Environmental Biology	Biomolecules
	<b>Course Code</b>	Bio-408	Bio-409	Bio-410	Bio-11	Bio-412
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	3(3-0)	4(3-1)
	<b>Sem-4</b> Total 15 Credit Hrs.	Advance Biochemistry	Basic Molecular Biology	Techniques in Bio-Analytical	Basic Biotechnology	-
	<b>Course Code</b>	Bio-413	Bio-414	Bio-415	Bio-416	-
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	-	
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Biosafety & Ethics	Advance Molecular Biology	Endocrinology	Immunology	Current Trends in Biotech
	<b>Course Code</b>	Bio-417	Bio-418	Bio-419	Bio-20	Bio-421
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	3(3-0)	3(3-0)	4(3-1)
	<b>Sem-6</b> Total 16 Credit Hrs.	Biostatistics	Cell-bio	Bioinformatics	Genomics	-
	<b>Course Code</b>	Bio-422	Bio-423	Bio-423	Bio-424	-
<b>Credit Hrs.</b>	4(3-1)	4(3-1)	4(3-1)	4(3-1)	-	
Year 4	<b>Sem-7</b> Total 13 Credit Hrs.	Proteomics	Cell-signalling	Research Methodology	rDNA Technology	
	<b>Course Code</b>	Bio-425	Bio-426	Bio-427	Bio-428	
	<b>Credit Hrs.</b>	4(3-1)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 15 Credit Hrs.	Advance Biotech OR Advance Biochem	Bio-engineering OR Clinical Biochemistry	Seminar/ Quiz (Both)	Research (Both)	
	<b>Course Code</b>	Bio-429	Bio-430	Bio-431	-	
<b>Credit Hrs.</b>	4(3-1)	4(3-1)	3(3-0)	4(4-0)		

**Facilities:**

Well-equipped, purpose built laboratories. Major equipment in the Institute include, High Performance liquid Chromatography(HPLC); Gas Liquid Chromatography (GLC); Scintillation Counter; Electrophoresis Units; Centrifuges; Spectrophotometers; Furnaces; Autoclaves; Laminar Flow hoods etc etc.

**Internet Facility.** Laboratories are equipped with internet facility.

**Computer Laboratory.** A full-fledge computer laboratory equipped with 25 computer of high configuration complemented by internet facility.

**Teaching Labs.** Three well equipped and modern labs along with supporting staff are available for conducting practical for BS and M.Sc programs.

**Research Labs.** Four newly constructed labs with all modern facilities and a central lab, with many modern and updated research facilities are available for M.Phil and Ph.D scholars.

**Departmental Library.** A newly constructed departmental library with approximately 3000 books and scientific journals available for the students.



# BOTANY

## Program(s)

- BS Botany (Morning) Program
- BS Botany (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

F.Sc. (Pre-Medical)

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Botany is one of the main branches of Biology (zoology being the other); it is the systematic and scientific study of plants. Botany covers a lot of scientific discipline, such as chemistry, pathology, microbiology etc. Plants are a vital component of the Biosphere and are directly responsible for the conditions required for life on earth. Plants life can be studied from different perspectives i.e., from the genetic, molecular and biochemical level through different cell organelles, tissues, organs, individuals, populations, and plant communities. Plants are also the mainstay of human and animal diets and provide medicines, gum, timber, paper, clothing, shelter, and energy.

The department of botany was established in year 1979. Initially it was working as a Department of life sciences, but later on started functioning separately as Department of Botany since March, 1980. The Department is responsible to impart training in the field of plant sciences at undergraduate and post graduate level. The academic program comprises of courses leading to M.Sc. degree as well as research for M.Phil and Ph.D. degrees and independent research projects are also undertaken by the faculty members.

## Objectives

- To prepare graduates and highly qualified focused professionals in the subject of Botany to meet the future needs of educational institutions/ research organizations/ forestry/ horticulture.
- To prepare researchers to meet the need of industry, science and technology.
- To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas and skills effectively
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

## Vocational Job Opportunities/Marketability of Graduates

- Education Institutes, Colleges and Universities.
- Pharmaceutical Industry.
- Forests, Wild life, Agriculture and Horticulture, Floriculture.
- Research Organizations, Pakistan Agriculture Research Council (PARC), Arid Zone Research Institute (AZRI), Pakistan Council for Science & Industrial Research (PCSIR), Pakistan Meteorological Department (PMD).
- Public / Private Research Organizations.

## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English	Pakistan Studies	Diversity of Plants	Physical Chemistry	Principles of Animal life
	<b>Course Code</b>	ENG-601	PKAS-601	BOT-601	CHEM-601	ZOOL-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-2</b> Total 17 Credit Hrs.	Communication Skills	Islamic studies	Plant Systematics, Anatomy and Development/ Embryology	Organic Chemistry	Diversity in Animals (Invertebrates)
	<b>Course Code</b>	ENG-602	ISL-601	BOT-602	CHEM-602	ZOOL-602
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	4(3-1)	4(3-1)	4(3-1)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Technical Report Writing & Presentation Skill	Introduction to Computer	Inorganic Chemistry	Principles of Animal Physiology	Cell Biology, Genetics and Evolution
	<b>Course Code</b>	ENG-603	COMP-601	CHEM-603	ZOOL-603	BOT-603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	Mathematics for Botany	Diversity of Animal (Vertebrates)	Plant Physiology and Ecology	Biodiversity and Conservation	Biostatistics
	<b>Course Code</b>	MATH-601	ZOOL-604	BOT-604	BOT-605	BOT-606
	<b>Credit Hrs.</b>	3(2-1)	4(3-1)	4(3-1)	4(3-1)	3(2-1)

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Bacteriology and Virology	Phycology and Bryology	Mycology and Plant Pathology	Diversity of Vascular Plants	Plant Systematics	Environmental Biology
	<b>Course Code</b>	BOT-607	BOT-608	BOT-609	BOT-610	BOT-611	BOT-622
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-6</b> Total 15 Credit Hrs.	Plant Anatomy	Genetics-I	Plant Biochemistry-I	Plant Ecology-I	Plant Physiology-I	-
	<b>Course Code</b>	BOT-612	BOT-613	BOT-614	BOT-615	BOT-616	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Molecular Biology	Plant Biochemistry-II	Elective-I	Elective-II	Elective-III
	<b>Course Code</b>	BOT-617	BOT-618	-	-	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)
	<b>Sem-8</b> Total 12 Credit Hrs.	Plant Physiology-II	Elective-1V	Research project	-	-
	<b>Course Code</b>	BOT-619	-	-	-	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	6(0-6)	-	-

**Total Credit Hours: 130**

### Optional Courses in Semester 7

Plant Ecology-II	Plant Tissue Culture (Advance course)	Palynology	Air pollution, its Impacts and control	Laboratory Techniques	Biohazards, Biosafety and Bioethics
BOT-622	BOT-623	BOT-624	BOT-624	BOT-625	BOT-626
3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)

### Elective Courses in Semester 8

Plant Nutrition	Biodegradation	Microbes, Man	Water Pollution,	Challenges of a	Genetics-II
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and Soil Fertility	and Bioremediation	and Environment	its management and control	changing earth	
BOT-628	BOT-629	BOT-630	BOT-631	BOT-632	BOT-621
3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)

### Research Fields, Equipments, Labs etc.

1. Biochemistry
2. Physiology
3. Environmental Biology
4. Taxonomy
5. Phycology
6. Ecology

**Research Laboratories.** Nine research Laboratories in the field of Plant Physiology, Phycology, Environmental Biology/Taxonomy, Genetics, Economic Botany/Anatomy, Ecology, Phytosociology and Dendrochronology have been developed with sophisticated equipments.

**Plant Tissue Culture Technology Laboratory.** It deals with the mass production of plants, under aseptic environment employing artificial growing conditions in glass (In-vitro). This important technology is based on the principle that production of genetically modified plant is only possible if the target species have a successful and efficient regeneration system. The success of modern Plant Biotechnology is attributed to this very important technique, which plays an important role in in-vitro propagation of disease free plants and multiplying with unmatched speed of endangered species as well as species of difficult to regenerate.

**Sophisticated Equipments.** Atomic Absorption Spectrometer, Environmental Chamber, High Performance Liquid Chromatography (HPLC), Electrophoresis, Thermal Cycler, U.V-Vis. Spectrophotometer, Biophotometer, Germinators, Weather Monitoring Station, Flame Photometer.

**Computer Laboratory.** Department has well established computer laboratory equipped with 24 Pentium IV computers, connected with 2 printers and photocopier, which can be used by research scholars and faculty.

**Departmental Library.** The Departmental Library is managed by a qualified librarian and has over 1300 Books covering a wide range of disciplines in Botany for teaching and research purposes. The Departmental Library also possesses research journals of plant sciences like, Pakistan Journal of Botany, Biologia, Journal of Forestry and Nature (back volumes). American Journal of botany (back volumes), Research Journal University of Balochistan, Journal of Cell Science and Journal of experimental Biology.

**Internet Facility.** The internet facility is available. A large number of international research Journals are also available on Digital Library provided by Higher Education Commission (HEC) and research article of interest can also be down loaded.

**Field trip/Excursion:** The major objectives are to familiarize the students with the flora and ecology of the different regions of Balochistan and Pakistan. During the Educational trip visits of Different universities and the research in institutes focused students towards development in field of Plant Sciences.

**Research Journal.** The Department of Botany is associated with the Internsational Society of Pure and Applied Biology (ISPAB) to publish a research journal entitled as "Pure and Applied Biology (PAB)". PAB is an online, peer-reviewed; open-access scientific journal and is devoted to publish selected papers of latest advancement dealing with original research in the field of Biology. It is published quarterly per year. The aim of the PAB journal is to offer a platform for research students / scientists.



# MICROBIOLOGY

## Program(s)

BS (Microbiology)

## Eligibility

F.Sc. (Pre-Medical)

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Microbiology is the study of microorganisms; include Bacteria, Fungi, Viruses, and Protozoa etc. (both useful and harmful for human beings Plants and fish etc) through applying different scientific technique/s, microorganisms and microbial enzymes can be used in industrial processes to carry out reactions that are not economically feasible by chemical means. Microbiology offers the possibility of major improvements in the way medicines are developed and manufactured.

It is employed principally in health care (animal and Human beings), fine chemicals, brewing & distilling, food and food related industries, where they are involved in research and development, in process design & control, in management and in quality control. Therefore, various disciplines of Microbiology are prime choice of men and women, mainly because of its laboratory-based activities.

The Department of Microbiology was established in May 2006. The department is committed to the production of marketable and qualified product capable of finding solution/ remedies against prevalent and new emerging diseases, production of different vaccines and preservation of different foods etc. through research and development.

Currently the department offers B.S Microbiology, M.Sc Microbiology, M.Phil/M.S Microbiology and Ph.D Microbiology degree programs. Committed and qualified faculty of the department facilitates research scholars and also carries out innovative projects in diversified areas of Microbiology

## Objectives

- To foster an environment that promotes learning through quality teaching and research while encouraging students to excel their professional skills, concepts and practices so that to comply with the emerging market needs in the public and private sectors.
- To provide qualified and focused professionals in the subject of Microbiology to meet the future needs of educational institutes and/or industries.
- To prepare researchers to meet the needs of society, industry and research organizations, science and technology.
- To develop the department as a nursery for the advanced level degree programs at other institutions particularly in the province of Balochistan.
- To enhance higher education in the field of applied biology and microbiological sciences.

## Vocational Job Opportunities/ Marketability of Graduates

- Food packaging and processing industry
- Quality control operations of safe drinking water

- Public Health Institutions
- Pharmaceutical Industry
- Diagnostic Laboratory Technicians / Experts
- Biological production industry
- Biotechnological interventions in environmental sciences like Bioremediation.
- Food safety authorities
- Environmental protection agency
- Agriculture research organizations

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Pakistan Studies	Mathematics-I	Microbiology-I	Human Physiology-I	Biochemistry-I
	<b>Course Code</b>	ENG-601	PKS-601	MAT-601	MIC-601	MIC-602	MIC-603
	<b>Credit Hrs.</b>	2(3-0)	2(2-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies	Mathematics-II	Microbiology-II	Human Physiology-II	Biochemistry-II
	<b>Course Code</b>	ENNG-602	ISL-601	MAT-602	MIC-604	MIC-605	MIC-606
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English-III	Sociology	Computer Applications	Microbiology-III	General Immunology	Cell Biology-I
	<b>Course Code</b>	ENG-603	SOC-601	COM-601	MIC-607	MIC-608	MIC-609
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-4</b> Total 17 Credit Hrs.	English-IV (Communication Skills)	Environmental Current Issues	Biostatistics	Microbial Taxonomy	Cell Biology-II	Marine/Fresh Water Microbiology
	<b>Course Code</b>	ENG-604	MIC-610	MIC-611	MIC-612	MIC-613	MIC-614
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Microbial Anatomy & Physiology	Bacterial Genetics	Clinical Bacteriology	Mycology	Soil Microbiology	
	<b>Course Code</b>	MIC-615	MIC-616	MIC-617	MIC-618	MIC-619	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)	
	<b>Sem-6</b> Total 18 Credit Hrs.	General Virology	Epidemiology	Environmental Biotechnology	Molecular Mechanisms of Antimicrobial Drugs	Cell & Tissue Culture Technology	
	<b>Course Code</b>	MIC-620	MIC-621	MIC-622	MIC-623	MIC-624	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)		
Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Introductory Microbial Technology	Plant Microbiology	Research Methodology & Instrumentation	Food & Dairy Microbiology	Genetic Engineering	
	<b>Course Code</b>	MIC-625	MIC-626	MIC-627	MIC-628	MIC-629	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	3(3-0)	4(3-1)	
	<b>Sem-8</b> Total 16 Credit Hrs.	Biotechnology	Medical Virology	Mini Research Project	Optional Subject*	-	
	<b>Course Code</b>	MIC-630	MIC-631	-	-	-	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	-		

**Total Credit Hours: 155**

## Facilities

**Computer Laboratory:-**The central computer laboratory of the University is located in the department of Physics and could also be used by research scholars/ teachers of other department. An independent computer laboratory has also been established at the Department where the students are also allowed to avail the facility to acquaint with latest available knowledge through internet facility.

**Department Library:-** A department library has been established and about 800 books on different topic of basis microbiology subjects are available for the students. Purchase of relevant books is in progress. Facility of Central Library has also been extended to the students, to increase their desired knowledge. Further, the library of CASVAB has all the relevant text/ reference books and laboratory manual concerning to the subject which are also made available for the students enrolled at the Department of Microbiology.

**Internet Facility:-** 10 Computers along with internet facility are available at the Department and students are allowed to use the internet after university timings.

**Journals and Articles:-**A large number of international research journals and articles are also available on Digital Library provided by here Higher Education Commission and facility has been extended to the students for downloading research articles etc.

**Multimedia and overhead Projector Facility:-** For teaching subjects on modern lines facility of Overhead project is available at the department



# ZOOLOGY

## Program(s)

- BS Zoology (Morning) Program
- BS Zoology (Evening) Program (Self-Finance) 5:00PM to 8:00PM

## Eligibility

F.Sc. (Pre-Medical)

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Zoology is the study of living organisms. Basically it includes various major and optional subjects such as, genetics, Physiology, cell biology, Environmental biology, biochemistry, developmental Biology (Embryology), Paleontology & Zoogeography, Systematics, & Evolution, Insects of Medical & veterinary importance, (Optional), Economic Zoology, Mammalogy & Wildlife, While the entomology, parasitology, Fisheries and Bionanotechnology are special Subjects / Disciplines.

It plays pivotal role in socio-economic empowerment of poverty and in human resource development. The Department of Zoology is one of the oldest department, started since 1979 under the Chairmanship of Doctor Maqsood Ali Ph.D. (USA). It is offering graduate, postgraduate and doctoral program in various disciplines of zoology.

## Objectives

- To provide qualified and focused professional in the subject of Zoology to meet the future need of educational institutes, industry and society.
  - To prepare and promote research culture to meet the need of industry and research organization, science and technology.
  - To impart knowledge of major disciplines of Zoology, enabling the students to understand the principle of organization and interrelationship in the Biological system with particular references to animal diversity.
  - To teach different methods of exploration. Investigation, organization to date and its utilization in practical life.
  - To equip students with knowledge and skill for the better planning and management of animal resources, environment, health, medicine, agriculture post control.
  - To provide education program which encourage students to think creatively.
  - To foster environment that promotes learning through quality teaching research while encouraging mutual respect, tolerance and sensitivity.
- ### Job/Career Opportunities
- Teaching and Research in public and private organizations
  - Forestry, Agriculture and Biological control program
  - Integrated pest management
  - Poultry, Fisheries and livestock industry.
  - Wildlife management and conservation, Government/NGO
  - Environmental conservation and protection agencies



SEMESTER BREAKUP							
Year 1	Sem-1 Total 18 Credit Hrs.	English-I: Functional English	Pakistan Studies	Mathematics-I	Botany-I/ Etc.	Chemistry-I/ Etc.	Principles of Animal Life-I
	Course Code	ENG-601	PAK-602	MATH-603	BOT-604	CHEM-605	ZOOL-606
	Credit Hrs.	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(2-1)	4(3-1)
	Sem-2 Total 18 Credit Hrs.	English-II: Communication Skills	Islamic Studies / Ethics	Biostatistics/Univ option	Botany-II/ Etc.	Chemistry-II/ Etc.	Principles of Animal Life-II
	Course Code	ENG-607	ISL-608	BIOSTAT-609	BOT-610	CHEM-611	ZOOL-612
Credit Hrs.	3(3-0)	2(2-0)	3(2-1)	3(2-1)	3(2-1)	4(3-1)	
Year 2	Sem-3 Total 16 Credit Hrs.	English-III: Technical writing and presentation skills	Introduction to Computer	Botany-III/ Etc.	Chemistry-III/ Etc.	Animal Diversity: Invertebrates	
	Course Code	ENG-613	COMP-614	BOT-615	CHEM-616	ZOOL-617	
	Credit Hrs.	3(3-0)	3(1-2)	3(2-1)	3(2-1)	4(3-1)	
	Sem-4 Total 18 Credit Hrs.	English-IV / Univ. Option	Botany-IV/ Etc.	Animal Diversity: Chordates	Animal Form & Function-I	Animal Form & Function-II	
	Course Code	ENG-618	BOT-619	ZOOL-620	ZOOL-621	ZOOL-622	
Credit Hrs.	3(3-0)	3(2-1)	4(3-1)	4(3-1)	4(3-1)		
Year 3	Sem-5 Total 17 Credit Hrs.	Psychology/Geography/Etc.	General Biochemistry	Cell & Molecular Biology	Physiology	Animal Behavior	
	Course Code	PSY-623	ZOOL-624	ZOOL-625	ZOOL-626	ZOOL-627	
	Credit Hrs.	2(2-0)	4(3-1)	4(3-1)	4(3-1)	3(2-1)	
	Sem-6 Total 16 Credit Hrs.	Biological Techniques	Evolution & Principles of Systematics	Developmental Biology	Genetics	Wildlife	
	Course Code	ZOOL-628	ZOOL-629	ZOOL-630	ZOOL-631	ZOOL-632	
Credit Hrs.	3(1-2)	3(2-1)	4(3-1)	4(3-1)	2(2-0)		
Year 4	Sem-7 Total 16 Credit Hrs.	Environmental Biology	Zoogeography & Paleontology	Special Paper (Univ. Option)	*Synopsis & Research Methodology	Univ. Option	
	Course Code	ZOOL-633	ZOOL-634	ZOOL-635	ZOOL-636	ZOOL-637	
	Credit Hrs.	4(3-1)	3(2-1)	4(3-1)	2(2-0)	3(2-1)	
	Sem-8 Total 16 Credit Hrs.	Bioinformatics	*Thesis/Research Project/Internship	Univ. Option	Univ. Option	-	
	Course Code	ZOOL-638	ZOOL-639	ZOOL-640	ZOOL-641	-	
Credit Hrs.	3(1-2)	6(0-6)	3(2-1)	3(2-1)	-		

**Total Credit Hours: 134**

## Facilities

**Computer Laboratory:** An air-conditioned computer lab, for the students is established, comprising 24 computers along with printer and internet Connectivity.

**Department Library:** Department library under qualified librarian has more than 14580 books covering a wide range of discipline in Zoology for teaching and Research purposes are available

**Zoology Museum:** Full-fledge wide range of collocation including stuff Animal and preserved animals for various respective courses are arranged.

**Laboratories:** All basic biological research facilities are available including Central lab of faculty of life sciences.

# DOCTOR OF PHARMACY

## Program(s)

Pharm-D (5 Year) Program

## Eligibility

F.Sc (Pre-Medical) with at least 60% Marks

## Duration

5 Years (10 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

[www.uob.edu.pk/pharmacy/index.htm](http://www.uob.edu.pk/pharmacy/index.htm)

## Introduction

Pharmacy is the health profession that links health sciences with the chemical sciences, and it is charged with ensuring the safe and quality use of medication. The scope of Pharmacy includes more traditional roles such as compounding and dispensing medications, and it also includes more modern services related to patient care, including clinical services, reviewing medications for safety and efficacy, and providing drug information. The significance of pharmacy profession and the role of pharmacists in uplifting health care system have been well established and acknowledged all over the world. The pharmacy profession is well known as a "lifesaving profession". The major emphasis of the World Health Organization (WHO) in the developing countries is to provide prompt and economical means for caring human health. This noble task cannot be achieved without pharmacists because they are the ones who know about drugs and drug-related substances. The current Faculty of Pharmacy & Health Sciences (then Department of Pharmacy) was established in 1980 and due to the high demand of its graduates; it is one of the most sought after discipline in University of Balochistan. It is very well staffed and equipped. Due to its high standards, it is also recognized by Pharmacy Council of Pakistan.

## Objectives:

- To prepare professional and focused pharmacists for the provision of high level pharmacy services in a range of clinical and patient oriented services,
- To provide an opportunity to students in acquiring specialized knowledge and skills in pharmacy practice,
- To provide qualified and focused professionals in the subject of pharmacy to meet the needs of health care system, clinical pharmacy, industry and the society,
- To prepare researchers to meet the needs of industry and research organizations as community pharmacist, science and technology,
- To impart knowledge of major disciplines of pharmacy, enabling the students to understand the principles of organization and inter relationship in health with reference to pharmacy
- To teach different methods for exploration, investigation, organization, formulation of data and its utilization in practical life, particularly in the field of health sciences,
- To provide education programs which encourage students to think creatively, scientifically and logically.
- To provide education programs, which encourage students to think creatively, medical sale officer and medical sales representative.

## Job/Career Opportunities

- Pharmaceutical/food industries.
- Public/private health care institutes.
- Public/Private research Institutes/centers relating to medical and agriculture.
- Educational Institutions-College/University level.
- Pharmaceutical marketing



## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 22 Credit Hrs.	English-A (Functional English)	Pharmaceutics-IA (Physical Pharmacy)	Pharmaceutical Chemistry-IA (Organic)	Pharmaceutical Chemistry-IIA (Biochemistry)	Physiology-A	Anatomy & Histology
	<b>Course Code</b>	ENG-300	PHARM-310	PHARM-311	PHARM-312	PHARM-313	PHARM-314
	<b>Credit Hrs.</b>	2(2-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-2</b> Total 20 Credit Hrs.	English-B (Communication & Writing skills)	Pharmaceutics-IB (Physical Pharmacy)	Pharmaceutical Chemistry-IB (Organic)	Pharmaceutical Chemistry-IIB (Biochemistry)	Physiology-B	-
	<b>Course Code</b>	ENG-301	PHARM-315	PHARM-316	PHARM-317	PHARM-318	-
<b>Credit Hrs.</b>	4(4-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	-	

Year 2	<b>Sem-3</b> Total 22 Credit Hrs.	Islamic Studies	Pharmaceutics -IIA (Dosage Forms Science)	Pharmaceutics -IIIA (Pharmaceutical Microbiology & Immunology)	Pharmacology and Therapeutics-IA	Pharmacognosy -IA (Basic)	Pharmacy Practice-IA (Pharmaceutical Mathematics)
	<b>Course Code</b>	IS-402	PHARM-410	PHARM-411	PHARM-412	PHARM-513	PHARM-414
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-4</b> Total 21 Credit Hrs.	Pakistan Studies	Pharmaceutics -IIB (Dosage Forms Science)	Pharmaceutics -IIIB (Pharmaceutical Microbiology & Immunology)	Pharmacology and Therapeutics-IB	Pharmacognosy-IB (Basic)	Pharmacy Practice-IB (Biostatistics)
	<b>Course Code</b>	PS-403	PHARM-415	PHARM-416	PHARM-417	PHARM-418	PHARM-419
<b>Credit Hrs.</b>	2(2-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	

Year 3	<b>Sem-5</b> Total 20 Credit Hrs.	Pharmacy Practice-IIA (Dispensing Pharmacy)	Pharmaceutical Chemistry-III A (Pharmaceutical Analysis)	Pharmacology and Therapeutics-IIA	Pharmacognosy-IIA (Advanced)	Pathology
	<b>Course Code</b>	PHARM-510	PHARM-511	PHARM-512	PHARM-513	PHARM-514
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-6</b> Total 19 Credit Hrs.	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	Pharmaceutical Chemistry-III B (Pharmaceutical Analysis)	Pharmacology and Therapeutics-IIB	Pharmacognosy-IIB (Advanced)	Pharmacy Practice-III (Computer and its Applications in Pharmacy)
	<b>Course Code</b>	PHARM-515	PHARM-516	PHARM-517	PHARM-518	PHARM-519
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	

Year 4	<b>Sem-7</b> Total 19 Credit Hrs.	Pharmacy Practice-IVA (Hospital Pharmacy)	Pharmacy Practice-VA (Clinical Pharmacy-I)	Pharmaceutics-IVA (Industrial Pharmacy)	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	Pharmaceutics-VIA (Pharmaceutical Quality Management)
	<b>Course Code</b>	PHARM-610	PHARM-611	PHARM-612	PHARM-613	PHARM-614
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-8</b> Total 19 Credit Hrs.	Pharmacy Practice-IVB (Hospital Pharmacy)	Pharmacy Practice-VB (Clinical Pharmacy-I)	Pharmaceutics-IVB (Industrial Pharmacy)	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	Pharmaceutics-VIB (Pharmaceutical Quality Management)
	<b>Course Code</b>	PHARM-615	PHARM-616	PHARM-617	PHARM-618	PHARM-619
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	

Year 5	<b>Sem-9</b> Total 19 Credit Hrs.	Pharmaceutics-VIIA (Pharmaceutical Technology)	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	Pharmacy Practice-VIIA (Forensic Pharmacy)	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)
	<b>Course Code</b>	PHARM-710	PHARM-711	PHARM-712	PHARM-713	PHARM-714
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	3(3-0)	3(3-0)	4(3-1)
	<b>Sem-10</b> Total 19 Credit Hrs.	Pharmaceutics-VIIB (Pharmaceutical Technology)	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	Pharmacy Practice-VIIB (Forensic Pharmacy)	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)
	<b>Course Code</b>	PHARM-715	PHARM-716	PHARM-717	PHARM-718	PHARM-719
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	3(3-0)	3(3-0)	4(3-1)



# DOCTOR OF PHYSIOTHERAPY

## Program(s)

- DPT (5 Years) Program

## Eligibility

F.Sc (Pre-Medical) with at least 60% Marks

## Duration

5 Years (10 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Physiotherapy is a healthcare profession aimed at changing and improving the mobility, physical independence and quality of life. It focuses on treating a variety of conditions including but not limited to musculoskeletal, neurological, cardio-respiratory, pediatrics, geriatrics, women health and sports injuries. Physiotherapists work with patients varying in age, athletic ability and activity level, and are responsible for treating a wide spectrum of health conditions – both acute & chronic. Physiotherapy diagnosis is based on principles of clinical decision making through examination, evaluation, prognosis, interventions and outcome evaluation. They are an important part of healthcare team, who work directly with the patients ensuring their recovery after surgery, injury, fracture or other acquired disability. Patients suffering from chronic conditions such as diabetes, heart disease, arthritis, joint pain, cancer and neurological disorder like parkinsonism and stroke also require consult from a trained physiotherapist. People who want to adopt Physiotherapy & Rehabilitation as a career are required to go through a 5-year Doctor of Physical Therapy [DPT] program Doctor of Physical Therapy is a highly respected and sought-after professional degree the world over. With the world wide population increasing steadily, DPT is one those of those qualifications that will remain in high demand the world over for years to come.

## Job/Career Opportunities

- Teaching at colleges/universities
- Public Sector (physiotherapist)
- Private hospitals, private clinics
- Physical medicine & rehabilitation centers
- NGOs, aid agencies & organizations
- Sports clubs & teams
- Researchers, medical technology companies
- International job placements



## SEMESTER BREAKUP

SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	ANATOMY-I	PHYSIOLOGY-I	KINESIOLOGY-I	ENGLISH-I (FUNCTIONAL ENGLISH)	PAKISTAN STUDIES	BIOSTATISTICS-I	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	4(3-1)	3(2-1)	3(2-1)	3(2-1)	2(2-0)	3(3-0)	
	<b>Sem-2</b> Total 18 Credit Hrs.	ANATOMY-I	PHYSIOLOGY-II	KINESIOLOGY-II	ENGLISH-II (COMMUNICATION SKILLS)	ISLAMIC STUDIES / ETHICS	BIOSTATISTICS-II / UNIVERSITY OPTIONAL	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	4(3-1)	3(2-1)	3(2-1)	3(3-1)	2(2-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	ENGLISH-III (Technical Writing & Presentation Skills)	INTRODUCTION TO COMPUTER	INTRODUCTION TO COMPUTER	PHYSIOLOGY-III	BIOMECHANICS & ERGONOMICS-I	BIOCHEMISTRY & GENETICS-I	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)	
	<b>Sem-4</b> Total 17 Credit Hrs.	ANATOMY-IV (Neuro Anatomy)	BIOMECHANICS & ERGONOMICS-II	BEHAVIORAL SCIENCES (Psychiatry & Psychology)	BIOCHEMISTRY & GENETICS-II	EXERCISE PHYSIOLOGY	MEDICAL PHYSICS	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	2(2-0)	3(3-0)	3(2-1)	
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	PATHOLOGY & MICROBIOLOGY-I	PHARMACOLOGY-I	PHYSICAL AGENTS & ELECTROTHERAPY-I	THERAPEUTIC EXERCISES & TECHNIQUES	SOCIOLOGY	HEALTH & WELLNESS	SUPERVISED CLINICAL PRACTICE-I
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	2(2-0)	3(3-0)	3(2-1)	3(2-1)	2(2-0)	2(2-0)	3(3-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	PATHOLOGY & MICROBIOLOGY-II	PHARMACOLOGY-II	PHYSICAL AGENTS & ELECTROTHERAPY-II	MANUAL THERAPY	TEACHING METHODOLOGY & COMMUNITY MEDICINE	SUPERVISED CLINICAL PRACTICE-III	-
	<b>Course Code</b>							-
	<b>Credit Hrs.</b>	3(2-1)	2(2-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	-
Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	MEDICINE-I	SURGERY-I	RADIOLOGY & DIAGNOSTIC IMAGING	MUSCULOSKELETAL PHYSICAL THERAPY	HUMAN GROWTH, DEVELOPMENT & COMMUNITY BASED REHABILITATION	SUPERVISED CLINICAL PRACTICE-III	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(2-1)	2(2-0)	3(0-3)	
	<b>Sem-8</b> Total 18 Credit Hrs.	MEDICINE-II	SURGERY-II	NEUROLOGICAL PHYSICAL THERAPY	EVIDENCE BASED PRACTICE	PROSTHETIC & ORTHOTICS	SUPERVISED CLINICAL PRACTICE-IV	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(2-1)	2(2-0)	3(3-0)	3(2-1)	2(2-0)	3(0-3)	
Year 5	<b>Sem-9</b> Total 18 Credit Hrs.	CARDIOPULMONARY PHYSICAL THERAPY	EMERGENCY PROCEDURES & PRIMARY CARE IN PHYSICAL THERAPY	CLINICAL DECISION MAKING & DIFFERENTIAL DIAGNOSIS	SCIENTIFIC INQUIRY & RESEARCH METHODOLOGY	PROFESSIONAL PRACTICE (LAWS, ETHICS & ADMINISTRATION)	INTEGUMENTARY PHYSICAL THERAPY	SUPERVISED CLINICAL PRACTICE-V
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(2-1)	2(2-0)	3(3-0)	3(2-1)	2(2-0)	2(2-0)	3(0-3)

<b>Sem-10</b> Total 18 Credit Hrs.	OBSTETRIC S & GYNAECOL OGICAL PHYSICAL THERAPY	PAEDIATRIC PHYSICAL THERAPY	GERONTOLO GY & GERIATRIC PHYSICAL THERAPY	SPORTS PHYSICAL THERAP	SUPERVISED CLINICAL PRACTICE-VI	RESEARCH PROJECT	-
<b>Course Code</b>							-
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	2(2-0)	4(0-4)	6(6-0)	-

**HOUSE JOB:** One year of house job will be incorporated at the end of five-year degree program.





# PROSPECTUS

BACHELORS STUDY PROGRAMS  
2023



## Faculty of Arts and Humanities:

- ▼ Institute of Education & Research
- ▼ Psychology
- ▼ Islamic Studies
- ▼ Media Studies
- ▼ Philosophy
- ▼ Archaeology
- ▼ Fine Arts
- ▼ History



## Program(s)

- B.Ed. (4 Year) (Morning) Program
- B.Ed. (4 Year) (Afternoon) Program (Self-finance) 2:00 PM to 5:00 PM
- B.Ed. (4 Year) (Evening) Program (Self-Finance) 5:00 PM to 8:00 PM

## Eligibility

- Intermediate or its Equivalent (Age Limit 17 to 23 years)
- ADE with 2:00 CGPA

## Duration

(08 semesters)

Full time

## Entry

Semester-1

- B.Ed (hons) 4 years (Semester-1 for Intermediates)
- Semester-5<sup>th</sup> for ADE Qualified Students)

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

The discipline of education is a foundation subject in social sciences crucially contributing towards the national development. Education is concerned with human resource development for efficient functioning of educational system. It is founded on scientific study of human behavior including teacher and students and the functioning of educational organizations at all levels. It covers all aspects of educational system from academic performance to zeal and motivation among teachers and students. Education is inter-disciplinary in its nature and has concern with human psychology, organizational behavior, leadership, economics of education, testing and measuring the performance of individual and institutions. Discipline of education is eligible to develop a boarder perspective among its students to prepare them for leadership roles to bring about positive social change in the educational institutions and society.

The Department education started Master of Education (M.Ed) program in 1976 to extend opportunities for an advance degree in the discipline of Education. Similarly one year M.Ed, and B.Ed Evening program on Self-Finance were launched in 1999 and Master of Arts in Education (M.A Education) Program of studies was introduced in 2005 to provide pre-Service teacher Education and training. The new Program ADE/ B.Ed (Hons) was introduced by the support of USAID & Pre-STEP in 2011.

The Department of Education was upgraded as Institute of Education and Research (IER) in 2015. The institute comprises three broad Departments. The institute has revised and updated programs for B.Ed, B.Ed (H) & M.Ed and different specializations has been initiated in M.Ed Program.

## Objectives

- To develop professional teachers, educationists, researchers and practitioners with profound theoretical knowledge and understanding, combined with practical skills, competencies and commitment to educate and teach.
- To inculcate the skills and attitudes of enquiry and seek the research based knowledge and with a view to improve teaching and learning in schools of the public and private sectors.
- Development of modern teaching skills and techniques



### SEMESTER BREAKUP B.Ed (Hons) 4 Years

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English- I	Islamic Studies/ Ethics	Child Development	Urdu/ Regional Languages	General Science	General Methods of Teaching
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English –II (Communication Skills)	Computer Literacy	Classroom Management	General mathematics	Pakistan Studies	Method of Teaching Islamic Studies
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Teaching Literacy Skills	Arts, Crafts and Calligraphy	Teaching of Urdu/ regional Languages	Teaching of G. Science	Instructional & Communication Technology ( ICT) in Education	Teaching Practice
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Classroom Assessment	Teaching Of English	Teaching Of Mathematics	School, Community and Teacher	Teaching of Social Studies	Teaching practice
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(2-1)	2(2-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	English-III (Technical Writing & Presentation Skills)	Foundations of Education	Content Course-I (from selected Discipline-I)	Content Course-I (from selected Discipline-II)	Curriculum Development	Educational Psychology
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Contemporary Issues and Trends in Education	Content Course-II ( from selected Discipline-I)	Content Course-II (from selected Discipline-II)	Comparative Education	Introduction to Guidance and Counseling	-
	<b>Course Code</b>						-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Content Course-III (from selected Discipline-I)	Content Course-III ( from selected Discipline-II)	Pedagogy-I ( Methods of Teaching related Specialization -I)	Pedagogy-II ( Methods of Teaching related Specialization- II)	Research Methods in Education	Teaching Practice
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	School Management	Test Development and Evaluation	Teaching Practice	Research Project	-	-
	<b>Course Code</b>					-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	6(6-0)	3(3-0)	-	-	

**Total Credit Hours: 134**

## Facilities

**Computer Laboratory:** Institute has well established computer laboratory equipped with Multimedia, 12 latest version computers (Core i5), 11 Laptop Trolley connected with Internet, printers and IWB, which can be used by research scholars and faculty.

**Departmental Library:** The Institute Library is managed by a qualified librarian and has over 5000 Books covering a wide range of disciplines in Education for teaching and research purposes. The Institute Library also possesses research journals of social sciences like, Balochistan studies Journal, PJR Punjab Journal Review and Sindh University Journal Review.

**Internet Facility:** The internet facility is available. A large number of international research Journals are also available on Digital Library provided by Higher Education Commission (HEC) and research article of interest can also be down loaded.

**Committee Room:** A Committee room equipped with all the modern facilities Including slides, overhead projector, multimedia, IWB. and computer connected with internet and printer.

**Security Measures:** The institute as taken serious action regarding security measures, the whole Institute critical openings are grilled for the security purpose and fixed the grills on all windows and opening doors, and also fixed the 04 security cameras in all corridors.

**Science Laboratory:** The Science Laboratory of the Institute has essential equipment and apparatus for practical work in the science subjects at secondary level.

**Instructional Aids:** Computers, Printers, Multimedia, OHPs, Screens, Photocopier, Laptops, Cameras, Scanner, IWB (Interactive White Board), Wi-Fi Router, USB & Hard Drive.



# HISTORY

## Program(s)

- BS History (Morning) Program
- BS History (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

History is the study of the past based on finding, evolution, and interpretation recorded evidence. It is a discipline that seeks both to understand the past in its own term and to explain the present in light of the past for the future guidance. History fields are usually defined by period, place, and theme. To know history is to know what people did in the past and why: to simply put, history concern everything that exist or has existed. Students of history learn how to ask pertinent questions to society and to find answer through research and logical thought. Individually as well collectively, they also became able to know how to utilize past experiences better future planning.

The department of history, university of Balochistan was established in the year March, 1987. In the first batch M.A programs was delivered. The department has developed cadres of high motivated human resource who are serving in the various public and private sector organization and institutions. Department has now adequately expanded its profile while initiating M.Phil and Ph.D programs.

## Objectives

- To provide qualified and focused in History to meet the future of educational institutes & research organizations.
- To provide educational program this encourages student to think creatively, constructively and to communicate their ideas effectively.

## Job Opportunities

- Educational, Research & Teaching Institutions.
- Government Service,
- Civil Service,
- Foreign Service,
- Law
- International Organizations.



SEMESTER BREAKUP								
Year 1	<b>Sem-1 Total 15 Credit Hrs.</b>	Introductio n to History	English-I	Islamic Studies	Islamic History 570- 661	Communicati on Skills	Introduction to Sociology	
	<b>Course Code</b>	HIS-601	ENG-601	IS-601	HIS-610	ENG-604	SOCIO-601	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	1(1-0)	3(3-0)	
	<b>Sem-2 Total 15 Credit Hrs.</b>	English-II	Pakistan Studies	History of Umayyad's (661-750 )	Muslims In India ( 711- 1526)	Pre Khanate Period of Balochistan	Communicati on Skills	
	<b>Course Code</b>	ENG-602	PSC-601	HIS-606	HIS-607	HIS-608	ENG-605	
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	1(1-0)		
Year 2	<b>Sem-3 Total 18 Credit Hrs.</b>	English-III	Math/Statistic	History Of Europe (1453- 1789)	Historiography	Muslims In South Asia 1526-1707	Khanate period of Balochistan	
	<b>Course Code</b>	ENG-603	MATH-601	HIS-619	HIS-602	HIS-609	HIS-605	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-4 Total 18 Credit Hrs.</b>	Philosophy of History	Regional Languages	History Of Europe 1789- 1890	History of Abbasside 750- 1258	British Balochistan	Muslims in South Asia 1707-1857	
	<b>Course Code</b>	HIS-603	LANG-601	HIS-604	HIS-611	HIS-612	HIS-613	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
Year 3	<b>Sem-5 Total 15 Credit Hrs.</b>	International Relations & Organization	History of Freedom Movement (1857- 1947)	Intellectual History of Muslims of South Asia	Muslims in Spain ( 755-1492)	Introduction to Balochi/ Brahui/ Pashto literature		
	<b>Course Code</b>	IR-601	HIS-614	HIS-620	HIS-621	LANG-602		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	3(3-0)	3(3-0)		
	<b>Sem-6 Total 15 Credit Hrs.</b>	Research Methodology	History of Pakistan ( 1947- 1971)	History of Muslims Social and Political Thoughts	History of Europe ( 1891- 1945)	History of Sufism		
	<b>Course Code</b>	HIS:615	HIS:616	HIS:622	HIS:617	HIS:623		
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)			
Year 4	<b>Sem-7 Total 18 Credit Hrs.</b>	History of Pakistan (1971- 2013)	History of U.S.A	Personalities & Institution in Balochistan Seminar Course	History of Afghanistan (1747-1933)	History of Ancient India	Regional Organiza tions	Students having CGPA of 3.00 can opt for thesis
	<b>Course Code</b>	HIS:618	HIS:624	HIS:625	HIS:626	HIS:627	IR-602	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-8 Total 18 Credit Hrs.</b>	New Trends in History	Contemporar y World History	Principle and Method of Archeology	History of Modern World Muslims ( 1919-1945)	Foreign Policy of Pakistan	Gender Studies	Thesis opt
	<b>Course Code</b>	HIS:628	HIS:629	ARCH-601	HIS:630	PSC-602	GDS-601	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)	
Non-credit Viva voce is compulsory to pass								

# ISLAMIC STUDIES

## Program(s)

BS (Islamic Studies)

## Eligibility

- Intermediate or its Equivalent
- Intermediate from Wifaq-ul-Madaris with Equivalence certificate

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

This department was established in 1973 by Prof. Dr. Rashid Ahmed Jallandhury (Late), was the first chairperson of the department. Due to shortage of space in the University Campus, Islamic Studies Department started functioning in Government Science College Quetta. In the Beginning, classes used to be held in the evening with the support of part-time teachers. In 1980, Prof. Dr. Rashid Ahmed Jallandhury took the charge of the department as chairman. In 1981, the department was shifted to the University Campus.

## Objectives

- To provide qualified and focused professionals in Islamic studies to meet the future needs of educational institutes.
- To provide learning in depth knowledge in the perspective of global changes and challenges.
- To focus on Islamic values pertaining to socio-political and economic teachings derived from the Quran and the Sunnah.
- To produce scholars of quality who can contribute in solving contemporary issues faced by the Muslims, like interfaith dialogue, interest free banking, State crafts and other contemporary challenge.
- To bridge the gap between islam and other religions by providing an understanding of Islam.
- To create an environment that promotes learning through quality teachings and research while encouraging mutual respect, tolerance and sensitivity

## Job Opportunities

- Jobs in Educational and research institutes in Pakistan and abroad.
- Civil Service.
- Jobs such as Religious officers, Khatibs etc. in the Armed forces.



SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Intermediate English-1	English-1	Pakistan Studies	Math/ Stat-1	General Course-1 World History	General Course-2 Political Science	Introduction of Topics of Holy Qur'an- (F-1)
	<b>Course Code</b>	ISL-601	ISL-602	ISL-603	ISL-604	ISL-605	ISL-606	ISL-607
	<b>Credit Hrs.</b>	Non Credit	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	Intermediate English -2	English-2	Islamic Studies/ Ethics (Compulsory)	Math /stat - 11/ University optional	General Course-3 Economics	General Course-4 Sociology	Arabic language-1 (F-2)
	<b>Course Code</b>	ISL-608	ISL-609	ISL-610	ISL-611	ISL-612	ISL-613	ISL-614
<b>Credit Hrs.</b>	Non Credit	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	Intermediate Pak Study	English -3	Introduction to Computer	General Course-5 International Relations	General Course-6 Mass Communication	Ulum- al- Qur'an(F-3)
	<b>Course Code</b>	ISL-615	ISL-616	ISL-617	ISL-618	ISL-619	ISL-620
	<b>Credit Hrs.</b>	Non Credit	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	English-4/ University Optional	General Course-7 History of Muslim Sub-Continent	General Course-8 Psychology/ General Science	History & Compilation of Hadith (F-4)	Arabic language- II(F-5)	History of Fiqh (F-6)
	<b>Course Code</b>	ISL-621	ISL-622	ISL-623	ISL-624	ISL-625	ISL-626
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Study of Sirah of Holy Prophet (PBUH) (F-7)	History of Tafsir and its Principles (F-8)	Textual Study of al-Qur'an-1 (M-1)	Textual Study of Hadith-1 (M-3)	Study of Islamic Fiqh-1 (F-9)	-
	<b>Course Code</b>	ISL-627	ISL-628	ISL-629	ISL-630	ISL-631	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-6</b> Total 17 Credit Hrs.	Ulum- al- Hadith (M-4)	Textual Study of Muslim Family Laws (M-5)	Textual Study of al- Qur'an-2 (M-2)	Ethics of Disagreement in Islam (M-6)	Comparative Study of World Religions (M-7)	Textual Study of Fiqh al Akbar (M-14)
	<b>Course Code</b>	ISL-632	ISL-633	ISL-634	ISL-635	ISL-636	ISL-637
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Al- Dawah wal Irshad (M-8)	Usul-al-Fiqh (F-10)	Methodology of Research in Islamic Studies (E-1)	History of Islamic Culture and Civilization (M-10)	Study of Islamic Fiqh- 1 (فقه الماليات)(E-2)	Study of Islamic Fiqh- 1 (فقه الجنات)(E-3)
	<b>Course Code</b>	ISL-638	ISL-639	ISL-640	ISL-641	ISL-642	ISL-643
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 17 Credit Hrs.	Islamic economics (M-11)	Islamic Morals (E-4)	Philosophy and ilm al- Kalam (E-5)	Thesis / Research Project	-	-
	<b>Course Code</b>	ENG-644	ENG-645	ENG-646	ENG-647	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-	-	

**Total Credit Hours : 133**

Elective Courses				
Methods of Research	(فقه الماليات)	Criminal Law (فقه الجنائيات)	Islamic Morals (علم الأخلاق)	Ilm-ul-Kalam (علم الكلام)
Non Credit	Non Credit	Non Credit	3(3-0)	3(3-0)
Objectives of Shari'ah (مقاصد الشريعة)	Study of Selected Commentaries of Hadith	Study of Tasawwuf (مطالعه تصوف)	Islam & Science	-
3(3-0)	3(3-0)	3(3-0)	3(3-0)	-

#### Facilities:

**Departmental Library:** The Library of the Department is managed by a qualified librarian. Though the library has a limited number of books, it fulfills the basic needs of the students. The department is trying to equip the library with all possible facilities.

**Internet Facility:** The internet facility is available in the office of Chairperson. It can be used at any time to get information and knowledge according to the requirements of the faculty members and students.

# MEDIA STUDIES

## Program(s)

- BS Media Studies (Morning) Program
- BS Media Studies (Evening) Program (Self-Finance) 5:00 PM to 8:00 PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

During the last two decades, Media Studies have been emerged as one of the most important field of the studies. The conventional narratives and rules of Communication and Journalism are most transformed. The subject of Mass Media is a system of inter-related courses, including historical foundation, technological advances, economic dynamics, regulatory constraints, and ethical concerns.

The Department of Media studies (Previously Known as Mass Communication) was established in January 1987 by Dr. Professor Seemi Naghmana Tahir. The Department initiated regular teaching in March 1987 with a small faculty of 3 persons, which has now grown many folds.

The Department of Media Studies offered two Master's Program comprising semesters in Media Studies to cater the needs of Print and Electronic Media industry. Thousands of students graduated from this department since 1989 are performing in different media organization i.e. Radio, Television, Newspaper, Directorate of Public Relations/Public Relations wings of various Provincial and Federal Government Departments, and even some of the students of media Department, University of Balochistan own their newspapers.

Courses offers by the Department cater to the future challenges of the Professional. Print and Electronic media, Social Media, Public Relations, Development Support

Communication, Research, Advertising and Magazine Production, Photojournalism are some of the major subjects taught keeping in view the marketability needs of the industry.

## Objectives:

- To study contemporary knowledge of communication theories, principles and strategies of communication, to be efficient communicators, media managers, administrators and researchers.
- To seek inspiration from contributions of eminent regional journalists and scholars in the field of journalism and to inculcate professional skills of managing media, reporting, public relations, advertising, development communication, newspaper.
- To demonstrate an understanding of current media technologies and their capabilities, limitations and implications from multiple perspectives, including that of producer, participant and audience.

## Job Opportunities/ Marketability of Graduates:

- **Print Media:** Newspapers & Magazines (newspapers and magazines in the capacity of reporters, sub-editors, news editors, assistant editors, heads of various editions including web etc.)
- **Electronic Media:** Television & Radio, Production houses, Web, (news reporters, anchors, producer programmes, news and current affairs, translators, sub editors and broadcasters).
- **Public Relations:** Public Relation Officers/managers, information officers, event managers etc. in various public and private sector organizations.
- **Development Sector:** NGO's and Development Agencies.
- **Government Jobs:** Press Information Department, Directorate of Public Relations and other departments.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Mass Communication	Mass Media in Balochistan	Functional English	Computer Skills in Mass Communication	University Elective I	Islamic Studies/Ethics
	<b>Course Code</b>	MS-601	MS-602	ENG-601	CS-601	-	IS-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Advertising & Public Relations	Reporting	Functional English II	Pakistan Studies	Elementary Mathematics	University Elective II
	<b>Course Code</b>	MS-603	MS-604	ENG-602	PS-601	MATH-601	-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	2(2-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Re-writing & Sub Editing	Communication skills	University Elective III	University Elective IV	Functional Urdu	University Elective V
	<b>Course Code</b>	MS-605	-	-	-	MS-606	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	TV Journalism	Media & Society in Pakistan	Photo Journalism	University Elective VI	University Elective VII	University Elective VIII
	<b>Course Code</b>	MS-607	MS-608	MS-609	-	-	-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Media laws and ethics	Online Journalism	Radio Journalism	National and International Affairs	Media Culture & Society	Magazine Production
	<b>Course Code</b>	MS-610	MS-611	MS-612	-	MS-613	MS-614
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Media & Human Rights	Introduction to Film studies	Development Support Communication	Theories of Mass Communication I	Research Methodology	Opinion Writing
	<b>Course Code</b>	MS-615	MS-616	MS-617	MS-618	MS-619	MS-620
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)	
Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	International communication	Theories of Mass Communication II	Departmental Elective I	Departmental Elective II	Internship	
	<b>Course Code</b>	MS-621	MS-622	MS-	MS-	MS-625	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 18 Credit Hrs.	Crisis reporting	Conflict Sensitive Journalism	Thesis	Departmental Elective III	Departmental Elective IV	
	<b>Course Code</b>	MS-626	MS-627	MS-628	MS-	MS-	
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	6(6-0)	3(3-0)	3(3-0)		

### Facilities:

**F.M Radio Station:** Campus Radio Station (F.M 99.6) was established in 2014 with the aim provide training to the students in the field of broadcast. The F.M station also on air education related programmes and news which are produced and presented by the students of the Department of Media Studies.

**Broadcast Academy:** The Academy was established in collaboration with Internews Pakistan under a linkage programme between Internews and University of Balochistan in 2007. Academy has the capacity of training 16 students in a group providing them recording, editing and mixing techniques on latest technological equipment and sound editing software.

**Television Studio:** The Department has a state of the art television studio equipped with the latest cameras and production tools to give training to the students, the television studio has the capacity of on airing live programmes from its studio.

**Post Production Lab:** We have an editing lab for the students who work on their assignments in the post production phase of video making equipped with latest computers.

**Campus Newspaper:** The Department is launching its own Newspaper which will be run by the students under the supervision of faculty. The newspaper will give coverage to the events taking place in the University. The basic aim of the Newspaper is to give on hand training to the students in the field of print media.

**Lecture rooms:** The Department has four lecture rooms having a maximum capacity of 60 students for their theoretical work based on class room teaching. Equipped with digital boards and multimedia apart from white boards.

**Conference Hall:** The Department has a state of the art Conference Hall with a seating capacity of 100 students. It has a digital board, multimedia and sound system.

**Meeting Room:** A meeting room which can accommodate 50 people.

**Electronic & Print Media Labs:** The Department possesses a lab used for electronic and print media practical work.

**Print Production Lab:** To carry out the practical work and produce campus newspaper.

**Archives Room:** Record of newspapers is maintained on daily basis for research work.

**Library:** Facility of library is available in the Department for the students as well as faculty comprising text books and reference books.

**Future prospects of growth and development of discipline of Media Studies:**

- The department will commence PhD program in Media Studies.
- The department will introduce diploma and short courses in near future.
- The department will be planning to introduce Performing Arts as a new subject for the students.



# PHILOSOPHY

## Program(s)

BS (Philosophy)

## Eligibility

Intermediate or Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

- Philosophy is defined as a seeking truth and quest for exploring new questions and dimensions of knowledge. The study of philosophy is essential for the understanding of the history of ideas, cultures, religions, civilizations, sciences, and the history of cultures. Socrates said, "The unexamined life is not worth living". He could not be more right. An examined life will be the better for it. Philosophy deals with the truth behind entire human experience and knowledge.
- Philosophy provides a transferable skill, one that can be used in many walks of life; it provides training in thinking rationally. It gives a general training in thinking and writing clearly. It also provides help in problem solving, and in thinking critically. Both ethics and logic are part of philosophy, and most people will face significant ethical questions in the course of their work and would do better in their work if they thought logically.

## Philosophy deals Questions Such As:

- What Is Truth?
- Is Knowledge Possible?
- Why Should We Trust Reason?
- Do We Know What Knowledge Is?
- Can Mystical Experience Justify Belief?
- Why Is There Something Rather Than Nothing?
- What Does It Mean to Be Free?
- Are You Really You?
- How Does the Brain Produce the Mind?
- Could Machines Think?
- Does God Define the Good?
- Does Happiness Define the Good?
- Does Reason Define the Good?
- What is Beauty?
- Should Government Exist?
- What Justifies a Government?
- What Are the Limits of Liberty?
- What Makes a Society Fair or Just?
- What Is the Meaning of Life?

## Department of Philosophy

The University of Balochistan was established in 1971, and it is the first and oldest university of province Balochistan in Quetta City, after the birth of Pakistan, and The Department of Philosophy was established in the year 1987 by Dr. Saeed Ahmed Rafiq as its first Chairperson. It offers Master Degree Program of 2 years.

## Objectives

- To create an environment of critical thinking, dialogue, questioning and writing as tools for creating qualified and focused professionals in the domain of Philosophy so that to meet the future needs of educational institutes and industries of public and private sectors.
- To provide educational programs which encourage students to think creatively, carry out research assignments, and to communicate their ideas effectively.

## Job Opportunities

- Instructors in philosophy at colleges and universities.
- Curriculum development and instruction in Civic Education, Human Rights Education and professional ethics for both relevant institution of the public

sector (e.g. Ministry of Education, Ministry of Youth, Sport and Culture, federal Police Commission; etc.) and Non-Governmental Organizations.

- Civil service (researcher and advisers for parliamentarian and parliamentary committees).
- Social work Departments.
- NGOs (work in the areas of demoralization and governance environment and development, and peace)
- Journalism and Publishing

#### DESCRIPTION

- M.A philosophy or Master in Philosophy is a postgraduate philosophy course. Philosophy is the study of the fundamental nature of knowledge, reality and existence. The course includes a comprehensive and thorough study of philosophy as a discipline at an advance level. The post-graduate degree course involves the study of critical and systematic approach and its reliance on reasoned arguments to address general problem concerning matter such existence, knowledge, truth, beauty, law, justice, validity, mind and language. The study of M.A Philosophy includes topics such as Moral Philosophy, Problem of Philosophy, Philosophy of Religion, Theory of Knowledge and Reality, Logic and Language, Philosophy of Mind etc. M.A Philosophy course is a valuable important and job orienting one.

#### • LEARNING METHODOLOGY

- The method of teaching will be interactive. All students are encouraged to participate in the discussion and assignments in field of philosophy. We adopt specific techniques, namely lecture, discussion, readings, review tests, and problem solving. All students are encouraged to participate in the discussion group discussion and presentations, together with the assigned readings, are such that they can serve as models for critical thinking and prompt the students to engage themselves in critical and reflective thinking and evaluation.

### Syllabus: BS Philosophy TEMPLATE FOR BS PHILOSOPHY

S. No.	Categories	Number of Courses Min-Max	Credit Hours Min-Max
01	Compulsory Requirement (No choice)	9	25
02	General Course to be chosen from others department	8	24
03	Discipline Specific foundation Course	10	30
04	Major Specific including Research Project/ internship	13	39
05	Elective within the Major	4	12
<b>Total</b>		<b>44</b>	<b>136</b>

- Total number of Credit Hours: 130
- Duration: 4 years
- Semester: 8
- Semester duration: 16-18 weeks
- Course load per Semester: 15-18 Credit Hours
- Number of Course per semester: 4-6

#### Course Outline

##### Semester-I

Category	Course Code	Course Title	Credit Hours
Compulsory Course	ENG-601	Functional English (English-I)	3(3-0)
Compulsory Course	PST-601	Islamic Studies / Ethics -	2(2-0)
Compulsory Course	COMP-601	Introduction to Computers	3(3-0)
General Course		General Course -I	3(3-0)
General Course		General Course -II	3(3-0)
Foundational Course	PHIL-601	Introduction to Philosophy	3(3-0)
<b>Total Credit Course</b>			<b>17(17-0)</b>

##### Semester-II

Category	Course Code	Course Title	Credit Hours
Compulsory Course	ENG-602	Writing & Presentation Skill (English-II)	3(3-0)
Compulsory Course	ISE-601	Pak-Studies -	2(2-0)
Compulsory Course	MATH-601	Mathematics	3(3-0)
General Course		General Course -III	3(3-0)
General Course		General Course -IV	3(3-0)
Foundational Course	PHIL-602	Early Greek Philosophy	3(3-0)
<b>Total Credit Course</b>			<b>17(17-0)</b>

**Semester-III**

Category	Course Code	Course Title	Credit Hours
Compulsory Course	ENG-603	Communication Skill (English-III)-	3(3-0)
Compulsory Course	STAT-601	Statistics	3(3-0)
General Course		General Course -V	3(3-0)
General Course		General Course -VI	3(3-0)
Foundational Course	PHIL-603	Later Greek Philosophy	3(3-0)
Foundational Course	PHIL-604	Classical Muslim Schools of Thought	3(3-0)
<b>Total Credit Course</b>			<b>18(18-0)</b>

**Semester-IV**

Category	Course Code	Course Title	Credit Hours
Compulsory Course	LING-601	Language (Farsi, Arabic, Greek, Latin, French, German)	3(3-0)
General Course		General Course -VII	3(3-0)
General Course		General Course -VIII	3(3-0)
Foundational Course	PHIL-605	Logic and Critical Thinking	3(3-0)
Foundational Course	PHIL-606	Medieval and Early Modern Western Philosophy	3(3-0)
Foundational Course	PHIL-607	Introduction to Ethics	3(3-0)
<b>Total Credit Course</b>			<b>18(18-0)</b>

**Semester-V**

Category	Course Code	Course Title	Credit Hours
Foundational Course	PHIL-608	Metaphysics	3(3-0)
Foundational Course	PHIL-609	Epistemology	3(3-0)
Foundational Course	PHIL-610	Political Philosophy	3(3-0)
Major Course	PHIL-611	Classical Muslim Thinkers	3(3-0)
Major Course	PHIL-612	Early Modern Western Philosophy	3(3-0)
Elective Course (Select any one Elective Course)	PHIL-613	Philosophy of Religion	3(3-0)
	PHIL-614	Contemporary moral philosophy	3(3-0)
	PHIL-615	Writing Philosophy	3(3-0)
	PHIL-616	Philosophy of education	3(3-0)
	PHIL-617	Classical chines philosophy	
	PHIL-618	Philosophy of history	3(3-0)
<b>Total Credit Course</b>			<b>18(18-0)</b>

**Semester-VI**

Category	Course Code	Course Title	Credit Hours
Major Course	PHIL-619	Later Modern Western Philosophy	3(3-0)
Major Course	PHIL-620	Modern Ethical Theories	3(3-0)
Major Course	PHIL-621	Logic	3(3-0)
Major Course	PHIL-622	Muslim Thought in Sub-continent	3(3-0)
Elective Course (Select any one Elective Course)	PHIL-623	Philosophy of Art	3(3-0)
	PHIL-624	Philosophy of Mind	3(3-0)
	PHIL-625	Philosophy of Social Science	3(3-0)
	PHIL-626	Philosophy of Science	3(3-0)
<b>Total Credit Course</b>			<b>15(15-0)</b>

**Semester-VII**

Category	Course Code	Course Title	Credit Hours
Major Course	PHIL-627	Pragmatisms	3(3-0)
Major Course	PHIL-628	Analytical Philosophy	3(3-0)
Major Course	PHIL-629	Phenomenology and Existentialism	3(3-0)
Major Course	PHIL-630	Contemporary Political Philosophy	3(3-0)
Major Course	PHIL-631	Philosophy of language	3(3-0)
Elective Course (Select any one Elective Course)	PHIL-632	Feminism philosophy	3(3-0)
	PHIL-633	Contemporary analytical philosophy	3(3-0)
	PHIL-634	Meta Ethical theories	3(3-0)
	PHIL-635	Administrative Ethics	3(3-0)
	PHIL-636	Environmental Ethics	3(3-0)
	PHIL-637	Logic and Critical Thinking	3(3-0)
<b>Total Credit Course</b>			<b>18(18-0)</b>

**Semester-VIII**

Category	Course Code	Course Title	Credit Hours
Major Course	PHIL-638	Post Modern Philosophy	3(3-0)
Major Course	PHIL-639	Contemporary Philosophy of Science	3(3-0)
	PHIL-640	Critical theory and issues	
Thesis	PHIL-641	Research Work and Presentation	6(6-0)
Elective Course (Select any one Elective Course)	PHIL-642	Special Muslim philosophers	3(3-0)
	PHIL-643	Special Muslim Philosophers	3(3-0)
	PHIL-644	Current philosophical issues	3(3-0)
	PHIL-645	Islamic Modernism	3(3-0)
	PHIL-646	Current Debates in Muslim thought	3(3-0)
	PHIL-647	Logic and computability	3(3-0)
	PHIL-648	Philosophical logic	3(3-0)
<b>Total Credit Course</b>			<b>15(15-0)</b>
<b>Total Semester Credit Hours</b>			<b>136</b>

**Facilities**

**Computer Laboratory:** Department has a well-established computer laboratory equipped with latest computers.

**Seminar Library:** The Departmental Library is managed by a qualified librarian and has a collection of books covering a wide range of disciplines in Philosophy history and culture for teaching and research purposes.

**Internet Facility:** The internet facility is available. A large number of international research journals are also available on Digital Library provided by Higher Education Commission and research article of interest can be downloaded.



# PSYCHOLOGY

**Program(s)**

BS (Psychology)

**Eligibility**

Intermediate or Equivalent

**Duration**

4 Years (8 Semesters)

Full time

**Entry**

Semester-1

**Contact hours**

(first year, full time)

Approximately 16-22 hours per week

**Find out more**

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

**Introduction**

Human nature and personality development, besides attitudes, have always been interesting topics. Psychology, as an emerging social science, presents a great deal of knowledge on these topics. Consequently, today this discipline is acknowledged and employed for the solution of different practical questions in various walks of life.

Psychology not only focuses upon the issues like personality, attitude, learning, perception, Intelligence, Motivation, but also helps an individual in the adjustment of his/ her own environment. Psychologists positively help the society at large to resolve the social issues like violence, discrimination, terrorism, crimes, etc.

Psychology belongs to that category of Social Sciences which are the sciences concerned with the people in the society. Psychology is an empirical study of human mind and behavior as such it touches every person. Knowledge of Psychology is therefore important in every human endeavor. It exercises an influence on the understanding and progression of other social sciences like Economics, Business, Human Resource, Administration and Social Work.

The Department of Psychology was established in 1989 with the introduction of various teaching programs. Masters in Psychology started in 1990, however M.Phil. in Psychology got initiated in 2014. The BS (4 years program) was launched in 2018.

**Objectives**

- To create awareness about the field of Psychology and its application in daily personal, professional and academic sphere of life.
- To provide qualified psychology graduates who can help to improve the suffering of catastrophic effects in the province.
- To provide capacity building services, various public and private organizations in Mental Health related issues.
- To contribute awareness of community on various psychological issues through conducting workshops/seminars.
- To provide qualified and focused professionals in psychology to meet the future needs of educational institutes or industry.
- To foster an environment that promotes learning through quality and research while encouraging mutual respect, tolerance and sensitivity.
- To prepare researchers to meet the needs of industry and research organizations, science and technology.

**Job Opportunities**

- Education and Research Institutes
- Hospitals / Clinical Settings
- Armed Forces
- Public / Private Industrial Sector
- LINGOs / INGOs

SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	English-I	Pakistan Studies	Mathematics	General Education Course-I	General Education Course-II	Introduction to Psychology (F)	-
	<b>Course Code</b>	ENG-601	-	-	-	PSY-601	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-2</b> Total 18 Credit Hrs.	English-II	Islamic Studies / Ethics	Introduction to Computers	Applied Areas of Psychology (F)	Schools and Perspective in Psychology (F)	General Education Course-III	General Education Course-IV
	<b>Course Code</b>	ENG-602	ISL-601	CS-601	PSY-602	PSY-603	-	-
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	2(2-0)	2(2-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Communication Skills (Eng-III)	Experimental Psychology (F)	Biology	General Education Course-V	General Education Course –VI	Social Psychology (F)	
	<b>Course Code</b>	ENG-603	PSY-604	-	-	-	PSY-605	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-4</b> Total 18 Credit Hrs.	Language (any UN language)	General Education Course –VII	General Education Course –VIII	Theories of Personality (F)	Ethical Issues in Psychology (F)	Biological basis of Behavior (F)	
	<b>Course Code</b>	-	-	-	PSY-606	PSY-607	PSY-608	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Psychopathology (F)	Psychological Assessment (F)	Cognitive Psychology (Maj)	Practicals in Psychology (F)	Research Methods - I (Maj)	Statistics in Psychology (Maj)	
	<b>Course Code</b>	PSY-609	PSY-610	PSY-611	PSY-613	PSY-614	PSY-615	
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	
	<b>Sem-6</b> Total 15 Credit Hrs.	Research Methods-II (Maj)	Developmental Psychology (Maj)	Data Analysis in Psychology (Maj)	Gender Issues in Psychology (Maj)	Health Psychology (Maj)	-	
	<b>Course Code</b>	PSY-616	PSY-617	PSY-618	PSY-619	PSY-620	-	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-		
Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Environmental Psychology (Maj)	Positive Psychology (Maj)	Elective-I	Elective-II	*Active Citizenship/Voluntary work/Community work (F)	Cross Cultural Psychology (Maj)	
	<b>Course Code</b>	PSY-621	PSY-622	PSY-6XX**	PSY-6XX**	PSY-612	PSY-623	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	MANDATORY	3(3-0)	
	<b>Sem-8</b> Total 15 Credit Hrs.	Peace Psychology (Maj)	Elective-III	Elective-IV	Research Thesis (Maj)	-	-	
	<b>Course Code</b>	PSY-624	PSY-6XX**	PSY-6XX**	PSY-625	-	-	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-	-		

**Total Credit Hours: 133**

### Facilities

**Experimental Laboratory:** The Department of Psychology has a laboratory, equipped with required staff and relevant staff.

**Departmental Library:** The Departmental Library has over 600 books which cover wide range of themes in psychology for teaching and research purpose. The library is managed by a qualified and professional librarian.

# FINE ARTS

## Program(s)

BS (Fine Arts)

## Eligibility

- F. Sc, Non-Medical F.A or Equivalent
- Qualifying drawing test with at least desirable percentage

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Bachelor of Fine Arts is a four-year degree program in the Faculty of Arts, blending artistic and professional practice, theory, and research. The degree is offered in the following areas of specialization: Painting, Sculpture, miniature, Film and TV and Graphics arts as well as historical theories of human development through ages.

The Department of fine Arts was Established in march 1984 with four faculty members Mr. jamal shah, Mrs. Faryal Ghouher, Mr.Akram Dost and Mr. Kaleem khan.

The department of Fine Arts is playing very important role in introducing Balochistan heritage and its indigenous art, crafts and architecture. Since the civilization of maher Garh (9000 B.C) is a great source of inspiration for researchers and provide linkage with the other world of art and craft. The department of fine arts is also providing facility to study in depth the culture heritage of balochistan.

## Objectives

- To develop the individual visual intelligence each student brings with them to the School
- To develop in each student a critical awareness and understanding of fine art and its contexts
- To provide the intellectual and practical resources to enable each student to realize his or her creative potential as a professional artist
- To produce Art teachers/ good researchers.



SEMESTER BREAKUP								
Year 1	<b>Sem-1 Total 18 Credit Hrs.</b>	Visual Arts	English-I	Pakistan studies	Drawing-I	Design-I	Sculpture-I	Drafting-I
	<b>Course Code</b>	BF-607	ENG-601	ISL-604	BF-608	BF-609	BF-610	BF-611
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2 Total 18 Credit Hrs.</b>	History of culture	English –II	Islamic studies	Drawing –II	Drafting –II	Sculpture-II	Drafting-II
	<b>Course Code</b>	BF-612	ENG-602	PAK-605	BF-613	BF-614	BF-615	BF-616
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3 Total 18 Credit Hrs.</b>	Art Appreciation	English-III	Drawing-III	Painting-I	Sculpture-III	Printmaking-I	Miniature-I
	<b>Course Code</b>	BF-617	ENG-603	BF-618	BF-619	BF-620	BF-621	BF-622
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	2(2-0)	2(2-0)	2(2-0)	2(2-0)
	<b>Sem-4 Total 17 Credit Hrs.</b>	History of Muslim Art	History of art	Drawing-IV	Painting –II	Sculpture-IV	Printmaking-II	Miniature-II
	<b>Course Code</b>	BF-623	BF-624	BF-625	BF-626	BF-627	BF-628	BF-629
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(0-2)	3(0-3)	3(0-3)	2(0-2)	3(0-3)	
Year 3	<b>Sem-5 Total 15 Credit Hrs.</b>	History of western art	Techniques of painting	Drawing-V	Painting(Major)-III	Sculpture (Major)-V	Miniature (Major)-III	
	<b>Course Code</b>	BF-630	ENG-631	BF-632	BF-633	BF-634	BF-635	
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(0-2)	6(0-6)	6(0-6)	6(0-6)	
	<b>Sem-5</b>	Printmaking (Major)-III	Painting-III	Sculpture-V	Miniature-III	Printmaking-III	-	
	<b>Course Code</b>	BF-636	BF-637	BF-638	BF-639	BF-640	-	
	<b>Credit Hrs.</b>	6(0-6)	3(0-3)	3(0-3)	3(0-3)	3(0-3)	-	
	<b>Sem-6 Total 16 Credit Hrs.</b>	Muslim Architecture	History of western art-II	Drawing –VI	Painting (Major)-IV	Sculpture (Major)-VI	Miniature (Major)-IV	
	<b>Course Code</b>	BF-641	ENG-642	BF-643	BF-644	BF-645	BF-646	
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	2(0-2)	6(0-6)	6(0-6)	6(0-6)	
	<b>Sem-6</b>	Printmaking (Major) –IV	Painting-IV	Sculpture-VI	Miniature-IV	Printmaking-IV	-	
<b>Course Code</b>	BF-647	BF-648	BF-649	BF-650	BF-651	-		
<b>Credit Hrs.</b>	6(0-6)	3(0-3)	3(0-3)	3(0-3)	3(0-3)	-		
Year 4	<b>Sem-7 Total 15 Credit Hrs.</b>	Art in Pakistan	Modern art	Drawing-VII	Painting (Major)–V	Sculpture (Major)-VII	Miniature (Major)–V	
	<b>Course Code</b>	BF-652	ENG-653	BF-654	BF-655	BF-656	BF-657	
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(0-2)	6(0-6)	6(0-6)	6(0-6)	
	<b>Sem-7</b>	Printmaking (Major)-V	Painting-V	Sculpture-VII	Miniature-V	Print making-V	-	
	<b>Course Code</b>	BF-658	BF-659	BF-660	BF-661	BF-662	-	
	<b>Credit Hrs.</b>	6(0-6)	3(0-3)	3(0-3)	3(0-3)	3(0-3)	-	
	<b>Sem-8 Total 15 Credit Hrs.</b>	Thesis report & viva vice			Thesis project			
<b>Course Code</b>	BF-641			BF-644				
<b>Credit Hrs.</b>	3(3-0)			12(0-12)				

**Total Credit Hours: 132**

# ARCHAEOLOGY

**Program(s)**

BS (Archaeology)

**Eligibility**

Intermediate or its Equivalent

**Duration**

4 Years (8 Semesters)

Full time

**Entry**

Semester-1

**Contact hours**

**(first year, full time)**

Approximately 16-22 hours per week

**Find out more**

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

**Introduction**

Archaeology (American *Archeology*) is the scientific study of material remains that are at least 75 years old. These material remains are mostly found through careful explorations and excavations of archaeological sites with applications of modern scientific instruments and methods. The materials revealed from such activities are commonly known as antiquities which are cultural of paramount significance. Archaeology like history and anthropology deals with the human story in manifolds. Museums are also productions of archaeological discipline which thoroughly cope with the wider range of man in the association with his environment.

**Prehistoric Pakistan**

Moreover, Pakistan is a blessed country in terms of cultural genesis and the rise and fall of civilizations. Mighty civilizations such as Indus and Gandhara Civilizations are also the indigenous productions. The country has an ancient history dating some 2 million years ago when man was a wanderer and lived in caves and rock shelters in several corners of the world. During this time, man only lived by hunting and gathering for which he made tools out of stone. Certain stone tools and implements are recovered through archaeological surveys and excavations.

**Balochistan Archaeology**

Soon the scientific archaeological explorations commenced in the province in the early 1950s, particularly in the Quetta valley which brought many ancient cultural manifestations into the light and, thus, pushed back the timeline of Pakistan to the Aceramic Neolithic Horizon. In the meanwhile, the discovery of Mehrgarh in the 1970s revealed a nuclear culture ranging from the 8<sup>th</sup> millennium BCE to the mid-3<sup>rd</sup> millennium BCE. Nausharo another archaeological site near Mehrgarh in the Kachhi Plains, continued this culture from the mid-3<sup>rd</sup> millennium BCE to the 18<sup>th</sup> century BCE when Mehrgarh was completely abandoned; similarly, Pirak, a site in Sibi, shared this cultural horizon from the 17<sup>th</sup> century BCE until the mid of 7<sup>th</sup> century BCE. It seems, there is a huge continuity of cultural process from the Last Stone Age to the rise of the Achaemenian Civilization in Persia. As a whole, the province archaeologically is not less than a paradise to better record the chrono-cultural sequence of the ancient settlers of the province, but it also provided a straight chronology of the whole of South Asia from the 7<sup>th</sup> to 8<sup>th</sup> millennium BCE to the 7<sup>th</sup> century BCE without any irregularities.

**Objectives:**

1. To disseminate quality education of cultural and anthropological values
2. To understand the cultural and historical timeline of Pakistan through scientific methods
3. To bring awareness to the masses for the growth and promotion of cultural heritage and history
4. To describe how studies of material culture can serve as a form of data to improve knowledge about human behavioral variability in past and contemporary societies

5. To conduct surveys and excavations in the province and collect material remains to build museums or enrich the already existing ones
6. To strengthen the cultural institutions or NGOs in the country like Directorates of Archaeology & Museums by providing skilled human resources
7. To identify the historical and cultural valued sites for the elevation & promotion of tourism in the province
8. To train to develop the mentality of citizens to conserve and preserve the tangible and intangible cultural heritage of the country threatened by the ravage of time or other factors

#### Job Opportunities:

1. University teaching & non-teaching level positions
2. Directorate of Archaeology & Museums (DOAM), Balochistan
3. Directorate of Archaeology & Museums (DOAM), Pakistan
4. Reputed NGOs such as, UNESCO, ICOMOS, ICOM, UN, etc.
5. Museum sectors all over the world/curator, museum officers, gallery attendants
6. Education & Research Institutes
7. Balochistan/Federal Public Service Commissions

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English	Pakistan Studies	Mathematics/ Statistics-I	Introduction to Anthropology	Fundamentals of Geography	Introduction to Archaeology
	<b>Course Code</b>	ENG:601	PS: 601	MATH:601	ATHRO:601	GEO:601	ARCH:601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies/Ethics	Mathematics-II/ Univ. Optional	Basic Geology	Introduction to Zoology	Ancient History of South Asia
	<b>Course Code</b>	ENG:602	IST:601	MATH:602	GE:601	ZOO:601	ARCH:602
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	English-III	Introduction to Computer	Fundamentals of Botany	Basic Chemistry	Archaeological Heritage of Pakistan
	<b>Course Code</b>	ENG:603	COM:601	BOT:601	CHE:601	ARCH:603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	English-IV	Computer Applications	Introduction to History	Stone Age of Pakistan	Bronze Age of Pakistan
	<b>Course Code</b>	ENG:604	COM:602	HIS:601	ARCH:604	ARCH:605
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Ancient Religions of Pakistan and India	Field Archaeology	Physical Anthropology	Ancient Civilizations	Indus Civilization
	<b>Course Code</b>	ARCH:606	ARCH:607	ARCH:608	ARCH:609	ARCH:610
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Museums Studies	Tourism in Pakistan	Muslim History of South Asia	Cultural Anthropology	Provincial Cultural Heritage
	<b>Course Code</b>	ARCH:611	ARCH:612	ARCH:613	ARCH:614	ARCH:615
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Muslim Art (Calligraphy, Painting & Minor Arts & Crafts)	Muslim Architecture of Pakistan & India	Ancient Art and Architecture of Pakistan & India	Numismatics of Pakistan and India	RESEARCH PROJECT/INTERNS HIP
	<b>Course Code</b>	ARCH:616	ARCH:617	ARCH:618	ARCH:619	ARCH:620
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Pre History of Balochistan	Palaeography and Epigraphy of Pakistan	Archaeological Conservation	Gandhara Civilization	Rock Art of Pakistan
	<b>Course Code</b>	ARCH:621	ARCH:622	ARCH:623	ARCH:624	ARCH:625
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

**Total Credit Hours: 136**

### Facilities:

#### **Departmental Library:**

The Department of Archaeology is beautifully equipped with a library that holds more than 500 books and other national and international journals. It is also equipped with large study tables and comfortable chairs and other Wi-Fi facilities.

#### **Computer Lab:**

A combined computer lab with the Department of Anthropology has been well furnished within the departmental premises. The lab consists of more than 30 Computers and other Wi-Fi connections with skilled and highly educated teachers.

#### **Conservation Lab:**

This is the only Archaeological Department in the country which is equipped with an HEC-funded Archaeological Conservation Laboratory. In it, the students and scholars are practically shown and taught through various types of machinery and the latest scientific equipment.

#### **Departmental Museum:**

Unlike other famous Archaeological Departments of Pakistan at university levels, this department was constructed with a university-funded Museum Gallery. The museum is very lavishly designed with various showcases and wall cases with an international standard. The museum houses a rich collection of antiquities from all over the country.

#### **Field Trips:**

Archaeology is a visual discipline that is mostly taught through various visits and other field explorations within the province and sometimes inter-provinces. In this regard, the students will be taken to field trips to practically show them the ongoing survey and excavation process as a part of their syllabus.



# PROSPECTUS

## BACHELORS STUDY PROGRAMS

# 2023



### Faculty of Social Sciences:

- ▼ International Relations
- ▼ Political Science
- ▼ Social Work
- ▼ Pakistan Study Centre
- ▼ Disaster Management & Dev. Studies
- ▼ Anthropology
- ▼ Sociology
- ▼ Gender & Development Studies
- ▼ Geography & Regional Planning



# INTERNATIONAL RELATIONS

## Program(s)

- BS International Relations (Morning) Program
- BS International Relations (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of International Relations was established in 1984, and offering two years M.A. In International Relations. With the advancement in technology distance has been shrinking and world has gradually become global village. Geo-politics of the medieval ages which was arranged at military balance of power has now emerged as geo-economics influencing the socio-economic as well as political environment of every country. Business and industry has crossed the traditional borders of nation states and multinational corporations are now challenging the sovereignty of states. The power potential of nation is no more restricted to boundaries, it gets directly influence to regional and super powers. Mainly these relations have given birth to the discipline of International Relations. No country in the contemporary time can afford to ignore it. The study of International Relations therefore has assumed a remarkable significance.

## Objectives;

- To provide qualified and focused professionals International Relations to meet the future needs of educational institutes & research organizations.
  - To provide educational program which encourage students to think creatively, constructively, and to communicate their ideas effectively.
  - To foster an environment that promotes learning through quality teaching and research which encourage mutual tolerance and sensitivity.
1. To focus regional and international politics so that the graduates of international relations can comprehend to these scenarios.

## Vocational Job Opportunities/ Marketability of Graduates

- Provincial and Federal Public Services.
- Education/ research institutes at public and private sector.
- Print and Electronic Media.



## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	ENGLISH I- (Functional English)	PAKISTAN STUDIES	MATHEMATICS (ALGEBRA)	INTRODUCTION TO INTERNATIONAL RELATIONS	INTRODUCTION TO GEOGRAPHY	INTRODUCTION TO POLITICAL SCIENCE
	<b>Course Code</b>	IR-301	IR-305	IR-308	IR-501	IR-310	IR-502
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	ENGLISH II- (Communication Skills)	ISLAMIC STUDIES or ETHICS	STATISTICS	INTRODUCTION TO PHILOSOPHY	INTRODUCTION TO ECONOMICS	CONFLICT MANAGEMENT AND RESOLUTION
	<b>Course Code</b>	IR-302	IR-306/307	IR-309	IR-311	IR-312	IR-501
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	ENGLISH III- (Technical Writing and Presentation Skills)	INTRODUCTION TO COMPUTER SKILLS	INTRODUCTION TO HISTORY	INTRODUCTION TO SOCIOLOGY	GLOBALIZATION AND INTERNATIONAL RELATIONS
	<b>Course Code</b>	IR-303	IR-313	IR-314	IR-315	IR-304
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	ENGLISH IV- (Grammar and Composition)	INTRODUCTION TO MASS COMMUNICATION	INTRODUCTION TO PUBLIC ADMINISTRATION	INTERNATIONAL RELATIONS: 1789-1945	GEO-POLITICAL STRUCTURE OF THE WORLD
	<b>Course Code</b>	IR-304	IR-316	IR-317	IR-505	IR-506
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	INTERNATIONAL RELATIONS: 1945-2000	PUBLIC INTERNATIONAL LAW	REGIONAL AND INTERNATIONAL ORGANIZATIONS	FOREIGN POLICY ANALYSIS	INTERNATIONAL POLITICAL ECONOMY	-
	<b>Course Code</b>	IR-507	IR-508	IR-509	IR-510	IR-511	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-6</b> Total 18 Credit Hrs.	RESEARCH METHODOLOGY	POLITICS OF PAKISTAN	FOREIGN POLICY OF PAKISTAN	DEFENCE AND STRATEGIC STUDIES	DIPLOMACY	GOVERNMENTS AND POLITICS OF SOUTH ASIA
	<b>Course Code</b>	IR-512	IR-513	IR-514	IR-515	IR-516	IR-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	WEST ASIA AND ARAB WORLD SINCE 1919	COMPARATIVE FOREIGN POLICY OF MAJOR POWERS: US, RUSSIA, CHINA	PRINCIPLES OF INTERNATIONAL RELATIONS	NUCLEARIZATION OF SOUTH ASIA	INTERNATIONAL RELATIONS IN THE NEW MILLENNIUM	INTERNATIONAL POLITICS OF ENVIRONMENT
	<b>Course Code</b>	IR-602	IR-519	IR-503	IR-652	IR-520	IR-653
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 18 Credit Hrs.	ARMS CONTROL AND DISARMAMENT	INTERNATIONAL LAW OF THE SEAS	EMERGING REGIONAL AND WORLD ORDERS	NUCLEAR NON-PROLIFERATION	RESEARCH PROJECT	-
	<b>Course Code</b>	IR-521	IR-655	IR-654	IR-656	IR-523	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-	

**Total Credit Hours: 134**

## Facilities

**Computer Laboratory:** Department has a well-established computer laboratory equipped with latest computers.

**Seminar Library:** The Departmental Library is managed by a qualified librarian and has a collection of books covering a wide range of disciplines in Philosophy history and culture for teaching and research purposes.

**Internet Facility:** The internet facility is available. A large number of international research journals are also available on Digital Library provided by Higher Education Commission and research article of interest can be downloaded.





## SEMESTER BREAKUP

<b>Year 1</b>	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Islamic Studies / Ethics	Introduction to Political Science I	Mathematics	General Course-I	General Course-II
	<b>Course Code</b>	ENG-601	ISL-601	PolSc-651	MATH-601	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Pakistan Studies	Introduction to Political Science II	Introduction to Computer	General Course-III	General Course-IV
	<b>Course Code</b>	ENG-602	PKS-601	PolSc-652	CS-601	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

<b>Year 2</b>	<b>Sem-3</b> Total 15 Credit Hrs.	English-III	Comparative Constitutions	World Politics since 1945	General Course-V	General Course-VI
	<b>Course Code</b>	ENG-603	PolSc-603	PolSc-605	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	Western Political Philosophy I	Muslim Political Philosophy I	Comparative Politics	Public Administration	General Course-VII
	<b>Course Code</b>	PolSc -601	PolSc-602	PolSc-607	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

<b>Year 3</b>	<b>Sem-5</b> Total 15 Credit Hrs.	Western Political Philosophy II	Muslim Political Philosophy II	International Political Economy	Introduction to Political Ideologies	Elective-I
	<b>Course Code</b>	PolSc -605	PolSc-606	PolSc-611	PolSc-616	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Introduction to Quantitative Research Methods	International Law	Constitutional Development in Subcontinent (1858-1947)	Theories of International Relations	Elective-II
	<b>Course Code</b>	PolSc-630	LAW-601	PolSc-632	PolSc-642	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

<b>Year 4</b>	<b>Sem-7</b> Total 15 Credit Hrs.	Introduction to Qualitative Research Methods	Constitutional Development in Pakistan since 1947	Political Development in Pakistan Since 1947	Political Economy of Pakistan	Elective-III
	<b>Course Code</b>	PolSc-631	PolSc-613	PolSc-636	PolSc-634	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Genesis of Pakistan	Local Government in Pakistan	Foreign Policy of Pakistan	Federalism in Pakistan	Elective-IV/ Research Project
	<b>Course Code</b>	PolSc-621	PolSc-615	PolSc-617	PolSc-618	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-

**Total Credit Hours: 124**

# SOCIAL WORK

**Program(s)**

BS (Social Work)

**Eligibility**

Intermediate or its Equivalent

**Duration**

4 Years (8 Semesters)

Full time

**Entry**

Semester-1

**Contact hours**

(first year, full time)

Approximately 16-22 hours per week

**Find out more**

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

**Introduction**

Baluchistan as a lag behind and developing province of country and region faces acute challenges of poverty, illiteracy, provision of basic health and unemployment. These issues have been inherited by the population of the province during the pre-and post-colonial eras. In the wake of globalization, free market economy and overwhelming urbanization, capital intensive development, and speedy communication the rural communities would particularly suffer at different ends. The ecology of learning, expression, language, value systems and livelihood patterns would be wiped out if specific actions and research studies are not carried for analyzing their needs and sustainable ways to initiate viable development ventures. Professionally trained Social Workers in this respect have a significant role in accelerating and humanizing the processes of development especially in Balochistan.

Recognizing the need for professionally trained Social Workers, Social Work education at post-graduate level was introduced in the University of Balochistan in March, 1974. Since inception, the Department of Social Work has been conducting two years M.A program in Social Work. The department has created cadres of thousands of young male and female professionals and has also established academic linkages with various likeminded institutions. Currently, the Department of Social Work is a full member of the International Association of Schools of Social Work. (IASSW)

**Objectives**

- To impart professional knowledge to students regarding social work philosophy, methods, and theories.
- To equip students with understanding and advanced professional skills in conceptualizing the socio-economic conditions, social problems and characteristics of society in Balochistan and Pakistan.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Social Work to meet the future needs of educational institutes or society
- To conduct researches to meet the needs of academia, industry and research organizations

**Vocational Job Opportunities/ Marketability of Graduates:**

- Graduates will have opportunities in the following fields: -
  - Local, National NGOs and International NGOs
  - Self-Initiative as Social Entrepreneur
  - Public sector Medical and Psychiatric Social Welfare Settings.
  - Rural Community Development Projects.
  - Urban Community Development Projects.
  - Family and Child Welfare Centers.
  - Women Welfare Centers.
  - Population Welfare Department.
  - Drug Abuse Prevention, Treatment and Rehabilitation Centers.
  - Labour Welfare and Industrial Development Departments.
  - Welfare Centers for aged.
  - Educational Institutions.
  - Special Education programs.
  - Social Welfare planning & policy development.

### SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English (English-I)	Pakistan Study	Mathematics-I	(General-I) Introduction to Gender Studies	(General-II) Introduction to Sociology	(Foundation-I) Introduction to Social Work
	<b>Course Code</b>	ENG-601	PKS-601	MATH-601	GS-601	SOCIO-601	SW-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Communication Skills (English-II)	Islamic Studies/Ethics	Basic Statistics	(General-III) Introduction to Demography	(General-IV) Introduction to Psychology	(Foundation-II) Social Welfare System in Pakistan
	<b>Course Code</b>	ENG-602	ISL-601	STAT-601	DEMO-601	PSY-601	SW-602
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Technical Writing and Presentation Skills (English-III)	Introduction to Computer	(General-V) Introduction to Human Resource Management	(General-VI) Introduction to Health and Hygiene	(Foundation-III) Society and Social Institutions	(Foundation-IV) Human Growth and Personality Development
	<b>Course Code</b>	ENG-603	CS-601	HRM-601	HAH-601	SW-603	SW-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	(Foundation-V) Social Problems of Pakistan	(Foundation-VI) Social Policy and Planning	(Major-I) Social Case Work	(Major-II) Criminology	(General-VII) Introduction to Economics	(General-VIII) Introduction to Education
	<b>Course Code</b>	SW-605	SW-606	SW-607	SW-608	ECON-601	EDU-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	(Foundation-VII) Social Legislation	(Foundation-VIII) Organizations in Social Sector	(Foundation-IX) Human Rights	(Major-III) Social Group Work	(Major-IV) Community Organization and Development	(Major-V) Field Work-I
	<b>Course Code</b>	SW-609	SW-610	SW-611	SW-612	SW-613	SW-614
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(0-3)
	<b>Sem-6</b> Total 15 Credit Hrs.	(Foundation-X) Social Development	(Major-VI) Social Gerontology	(Major-VII) Social Welfare Administration	(Major-VIII) Social Action	(Major-IX) Field Work-II	--
	<b>Course Code</b>	SW-615	SW-616	SW-617	SW-618	SW-619	--
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(0-3)	--	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	(Major-X) Social Research	(Major-XI) Field Work-III	(Elective-I)	(Elective-II)	(Elective-III)	--
	<b>Course Code</b>	SW-620	SW-621				--
	<b>Credit Hrs.</b>	3(3-0)	3(0-3)	3(3-0)	3(3-0)	3(3-0)	--
	<b>Sem-8</b> Total 18 Credit Hrs.	(Major-XI) Proposal Development	(Major-XIII) Statistics and Computer Application (SPSS)	(Major-XIV) Field Work-IV	(Major-XV) Thesis	(Elective-IV)	--
	<b>Course Code</b>	SW-622	SW-623	SW-624			--
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	6(0-6)	3(3-0)	--	

## Facilities

**Departmental Library:** The Department of Social Work has gradually established its library containing relevant and updated collection of above 2000 books, journals, documents and periodicals. The Library is aimed to serve the educational and research needs of the students, faculty and professionals. Beside the collection in the hard covers, the department also links its students to a large number of International Research Journals that are available at digital library of the Higher Education Commission.

**Computer Laboratory:** Department of Social Work is also equipped with well-furnished computer laboratory having access to free internet facility for the use of scholars/students.

**Internet Facility:** As one of the prime need of the time, department facilitates teachers, staff, researchers and students through its free of cost internet facility available to all via Wi-Fi.



# SOCIOLOGY

## Program(s)

- BS Sociology (Morning) Program
- BS Sociology (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

With the advent of new scholastics in the last one hundred years, Sociology has been proven as one of the mother subjects to the different disciplines that have generated interdisciplinary studies. In the nutshell, Sociology as a discipline tends to promote a well-established management structure to effectively handle, analyze, cure and articulate the issues of social distress and it creates, promotes, coordinates and implements societal initiatives and programs for addressing the issues.

The department of sociology was established in 1973 and the first cadre of young men and women was graduated from Master program in 1975. Mr. Javed Iqbal Syed the Ex. Vice chancellor of Allama Iqbal Open University, Islamabad was the first Chairman of the Department. In the course of its 45 years life, the department has prosper while creating a cadre of thousands of illumines all over the country and has also developed a faculty, research portfolios, library, and well reputed research scholars.

## Objectives

- To provide a viable learning and experiencing environment to the students of different programs for understanding, analyzing and practically triangulating the knowledge base pertaining to the challenging social issues at grassroots level and to carry out action researches, ethnographic and grounded research approaches towards viable solutions of the society, that will enable students to know the process of amalgamation of theory and practice as an universal phenomenon.

## Vocational Job Opportunities/ Marketability of Graduates:

- Law
- Education
- Family planning
- Social work
- Social welfare programs
- Labor welfare
- Community development
- Public Administration.



## SEMESTER BREAKUP

<b>Year 1</b>	<b>Sem-1</b> Total 17 Credit Hrs.	FUNCTIONAL ENGLISH	PAKISTAN STUDIES	SOCIAL STATISTICS	INTRODUCTION TO MASS COMMUNICATION	INTRODUCTION TO SOCIOLOGY	DEVELOPMENT OF SOCIAL THOUGHTS
	<b>Course Code</b>	ENG-601	PS-601	STAT-601	MS-601	SOC-601	SOC-602
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	COMMUNICATION SKILLS	ISLAMIC STUDIES / ETHICS	INTRODUCTION TO PSYCHOLOGY	INTRODUCTION TO SOCIAL RESEARCH	COMMUNITY DEVELOPMENT	INTRODUCTION TO POPULATION STUDIES
	<b>Course Code</b>	ENG-602	IS-601	PSY-601	SOC-606	SOC-613	SOC-614
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
<b>Year 2</b>	<b>Sem-3</b> Total 15 Credit Hrs.	TECHNICAL WRITING AND PROFESSIONAL SKILLS	INTRODUCTION TO MATHEMATICS	INTRODUCTION TO SOCIAL WORK	SOCIOLOGICAL THEORIES	SOCIOLOGY OF DEVELOPMENT	-
	<b>Course Code</b>	ENG-603	MATH-601	SW-601	SOC-603	SOC-611	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-4</b> Total 18 Credit Hrs.	INTRODUCTION TO SPECIAL EDUCATION	INTRODUCTION TO COMPUTER	INTRODUCTION TO POLITICAL SCIENCE	PAKISTANI SOCIETY AND CULTURE	SOCIAL PSYCHOLOGY	RURAL SOCIOLOGY
	<b>Course Code</b>	SE601	SC-601	POLSC-601	SOC-604	SOC-605	SOC-615
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
<b>Year 3</b>	<b>Sem-5</b> Total 15 Credit Hrs.	QUANTITATIVE RESEARCH METHODOLOGY	SOCIAL ANTHROPOLOGY	INTRODUCTION TO ECONOMICS	EVERYDAY SCIENCE	PROJECT PLANNING AND MANAGEMENT	
	<b>Course Code</b>	SOC-607	SOC-609	EC-601	ES-601	SOC-612	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-6</b> Total 15 Credit Hrs.	QUALITATIVE RESEARCH METHODOLOGY	GENDER STUDIES	URBAN SOCIOLOGY	SOCIOLOGY OF RELIGION	INTRODUCTION TO LAW	
	<b>Course Code</b>	SOC-608	SOC-610	SOC-616	SOC-617	LAW-601	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
<b>Year 4</b>	<b>Sem-7</b> Total 15 Credit Hrs.	SOCIOLOGY OF EDUCATION	ORGANIZATIONAL BEHAVIOR	HUMAN RESOURCE MANAGEMENT	ELECTIVE-xxxxxx	ELECTIVE-xxxxxx	
	<b>Course Code</b>	SOC-618	SOC-619	SOC-620	SOC-XXX	SOC-XXX	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 15 Credit Hrs.	POLITICAL SOCIOLOGY	ELECTIVE-xxxxxxx	ELECTIVE-xxxxxxx	RESEARCH THESIS	-	
	<b>Course Code</b>	SOC-621	SOC-XXX	SOC-XXX	SOC-622	-	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-		

**Total Credit Hours: 127**

### Facilities

- Departmental Library
- Digital Library
- Computer Lab with Internet Facility

# PAKISTAN STUDY CENTRE

## Program(s)

- BS Pak Study (Morning) Program
- BS Pak Study (Afternoon) Program (Self-Finance) 2:00 PM to 5:00 PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Pakistan Study Centre is one of the flagship centers of the University of Balochistan that was initiated in 1974. The Center carved its bases as established entity in the year 1976 under Pakistan Study Centre, Act No. XXVII of 1976 by the Government of Pakistan in the premises of the University of Balochistan. The center mainly covers the study of languages, literature social structure, customs, and value systems of the people of Pakistan. to the main purpose behind the establishment of center was to create a viable environment for young Balochistani students to know and understand the cultural diversity, languages, civilizations and histories of the people living in Pakistan so that to motivate the people of various region of Pakistan towards Nation building. At present, it is functioning as an active academic unit of the University of Balochistan. It is unfolds programs in BS, MA, M.Phil and Ph.D. in Pakistan studies. The faculty members from the University and from the constituent colleges also take admission in M.Phil and Ph.D programs.

Moreover, the center has also initiated and approved establishment of the two chairs after the names of the reckoned anti-imperialist figures that is (1. Khan Shaheed Abdul Samad Khan Achazai and (2. Nawab Yousuf Aziz Mugsli. These Chairs will soon start its work to manifest further research and explorations.

## Objective:

- To provide learning and experiencing environment to the students from different backgrounds and in different study programs so that to generate knowledge base, analysis and understanding that can potentially promote the national integration, pluralism, love for diversity and the unity in accordance with different regions, languages, literature, culture, customs and histories of the people and their country.

## Vocational Job Opportunities/ Marketability of Graduates:

- The students who will qualify in Pakistan Studies can find job opportunities in the following departments/ organizations:
  - Teaching.
  - Competitive Exams.
  - Public Relation Officer.
  - Pakistan Tourism Department.
  - Inter Organizational Coordinator.
  - International Organizations as Representatives of Pakistan.
  - Organizational Development in Pakistan.

## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 credit Hrs.	English-I	Pakistan Studies (Compulsory)	Muslim Rule in Sub-Continent (712-1526)	Muslim Reformist Movement in Sub Continent	Computer Applications-I	Political Parties and Pressure Groups in Pakistan
	<b>Course Code</b>	ENG-	PST-601	PST-602	PST-603	CS-	PST-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies	Computer Applications-II	Constitutional Developments in Pakistan-I (1947-1973)	Political History of Pakistan (1947 to date)	
	<b>Course Code</b>	ENG-	ISL-	CS-	PST-605	PST-606	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		

Year 2	<b>Sem-3</b> Total 17 credit Hrs.	English-III	Economic Development in Pakistan	Pakistani Languages and Literature	Pakistan's Foreign Policy	Pakistani Society and Culture	Urbanization in Pakistan
	<b>Course Code</b>	ENG-	PST-607	PST-608	PST-609	PST-610	PST-611
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	English-IV	Statistics	Social Change and Development in Pakistan	Mass Media and Communication in Pakistan	Muslim Struggle for Pakistan (1858-1947)	Balochistan: History and Politics
	<b>Course Code</b>	ENG-	STAT-601	PST-612	PST-613	PST-614	PST-615
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 credit Hrs.	Research Methodology	Government and Politics in Pakistan	Ancient Civilizations on the Land of Pakistan-Indus Valley and Other (Compulsory)	Human Rights in Pakistan	Muslim Rule in the Sub-Continent (1526-1857)
	<b>Course Code</b>	PST-616	PST-617	PST-618	PST-619	PST-620
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Geography and Demographic Profile of Pakistan (Compulsory)	Pakistan's National Security: External & Internal Dimensions	Women Empowerment in Pakistan	Issues of Pakistan's Economy	Local Self Government in Pakistan
	<b>Course Code</b>	PST-621	PST-622	PST-623	PST-624	PST-625
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 16 credit Hrs.	Crisis/Disaster Management	Geo-Politics of Pakistan	Structure and Functions of Social Institutions	Pak-China Relations	Pakistan and SAARC Countries
	<b>Course Code</b>	PST-626	PST-627	PST-628	PST-629	PST-630
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Environment Problems in Pakistan	Constitutional Developments in Pakistan-II (1973-to date)	Institutions in Pakistan (Judiciary, Military and Bureaucracy)	Pakistan Relations with Muslim World	Research Project (Thesis)
	<b>Course Code</b>	PST-631	PST-632	PST-633	PST-634	PST-635
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)	

**Total Credit Hours: 132**

## Facilities

Pakistan Study Center shares following facilities with its faculty, staff, students and research scholars.

- Library (Books 5600)
- Class Rooms for MA classes
- Class Rooms for BS classes
- Class Rooms for M.Phil. & Ph.D. students.
- Hostel for Boys
- Computer facility
- Internet Facility



# DISASTER MANAGEMENT & DEVELOPMENT STUDIES

## Program(s)

BS (Disaster Management & Development)

## Eligibility

F.Sc./F.A or its Equivalent with Mathematics/ Biology/ Statistics/ Computer Science, Geography/ Economics/ Commerce

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(First year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Baluchistan is relatively the least developed province of Pakistan. Several studies/reports have found Baluchistan to have the lowest levels of human development in the country. The province lags behind the rest of the country in economic growth, labor productivity, health, education and other socioeconomic indicators. Its poverty level is higher than the national average and there is significant difference between rural and urban poverty incidence in the province. The province also suffers from the widest gender gaps in education and health in the country. Poor social indicators depict the state of human resource development in the province.

In addition to the poor social and economic indicators, Baluchistan is also exposed to a number of natural hazards. Due to fast rate of population growth, urbanization, poverty, climate change and geographical location, most of the regions of Pakistan including Baluchistan have become highly susceptible to natural disasters such as flood, cyclone, drought, earthquake, landslide, extreme temperature, heavy rain, epidemics, etc. In the recent past, these hazards have resulted in some major disasters, such as Ziarat earthquake of 2008, Awaran earthquake of 2013 and the flood of 2010. Drought from 1998-2004 worsened the situation and the rural economy has still not fully recovered from the effects.

It has been felt that there is limited capacity at notional and particularly at provincial level in terms of knowledge base, skills training, Long-term planning, emergency preparedness and policy development to respond to such severe disaster events.

The lack of expertise in the fields of disaster management and development planning, have further exacerbated the people's vulnerability to different disasters and worsen the development situation of the province. The weakest social and economic development indicators are attributed to the lack of human resource, professional expertise and research institutions in proportion to the development potential and needs of the province. These facts provide a strong rationale to initiate an academic program for building and strengthening experts in the field of development studies and disaster management to contribute in the development process of the province and to develop innovative ways of building the resilience of communities to disasters.

## Objectives

- To provide broad core disaster risk management and development education with focus on Rural Development.
- To bridges the gap between theory and practice.
- To enhance students' knowledge base, concrete decision-making and critical problem-solving skills.

## Vocational Job Opportunities/ Marketability of Graduates

- UoB being the first institution in the province providing expertise on Disaster Management and bridging its linkage with Development. There is a lot of demand of graduates from this field in various sectors and are reported competitive and well performers. A few employment opportunities institutions are listed below:
  - All educational and research institutions
  - Planning and Development Departments
  - Provisional Disaster management Authority (PDMA)
  - National Disaster management Authority (NDMA)
  - Firms consulting on environmental problems
  - Institutions needing Environmental Analysts
  - Census Organizations: Population, Agricultural and etc.
  - Government Strategic Policy Analysis Departments
  - Armed Forces (Air Force, Navy and Army).
  - Natural Resource Management (NRM)
  - Tourism Departments
  - Crisis Management Cells
  - National Disaster management Authority (NDMA)
  - Educational Institutions
  - SUPARCO
  - As a Social organizer in NGOs.
  - Rural Development & Local Government
  - UNDP
  - Civil Services of Pakistan

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Pakistan Studies	Math-1	Fundamentals of Geography	General Geology	Fundamental of Disaster Management
	<b>Course Code</b>	ENG-601	PKS-601	MATH-601	GEOG-601	GEOL-601	DMDS-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies / Ethics	Stat-I / Univ. Optional	Introduction to Environmental Science	Introduction to Sociology	Introduction to Development Studies
	<b>Course Code</b>	ENG-602	ISL-601	STAT-601	ENVS-601	SOC-601	DMDS-602
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English-III	Introduction to Computer	Introduction to Economics	Stat-II / Univ. Optional	Introduction to Psychology	Basic Principles of Disaster Planning and Management
	<b>Course Code</b>	ENG-603	CS-601	ECON-601	STAT-602	PSY-601	DMDS-603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Principles of Management	Agricultural Development Policies	Hydro-Meteorological Hazards	Development Planning Techniques	Applied Geomorphology and Natural Hazards	Gender Issues in Development
	<b>Course Code</b>	-	DMDS-604	DMDS-605	DMDS-606	DMDS-611	DMDS-612
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Geo-Hazards	Basic Cartography	Community and Rural Development	Gender Mainstreaming in Disaster Management	Project Design, Development and Management	Decentralization and Governance
	<b>Course Code</b>	DMDS-607	DMDS-608	DMDS-609	DMDS-613	DMDS-614	DMDS-615

	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-6 Total 15 Credit Hrs.</b>	Community Based Disaster Risk Management	Research Methodology	GIS and RS in Disaster and Development	Rural Urban Relations	Statistical Application in Using SPSS	-
	<b>Course Code</b>	DMDS-610	DMDS-616	DMDS-617	DMDS-618	DMDS-619	-
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(1-2)	-

<b>Year 4</b>	<b>Sem-7 Total 18 Credit Hrs.</b>	Natural Hazards of Pakistan	Climate Change and Natural Hazards	ELECTIVE-I	ELECTIVE-II	ELECTIVE-III
	<b>Course Code</b>	DMDS-620	DMDS-621	DMDS----	DMDS----	DMDS----
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8 Total 18 Credit Hrs.</b>	Multi-Hazards Vulnerabilities	ELECTIVE-IV	Research Project and Report Writing	-	-
	<b>Course Code</b>	DMDS-622	DMDS---	-	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	6(6-0)	-	-

**Total Credit Hours: 124-136**

Optional Courses			
Introduction to Information and Communication Technologies	Migration, Displacement and Society	Biodiversity and Conservation	Human Resource Management
DMDS-640	DMDS-641	DMDS-642	DMDS-643
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Structural and Non-Structural Measure in DM	Natural Resources Management	Development Economics	Disaster Management Policies
DMDS-644	DMDS-645	DMDS-646	DMDS-647
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Psychological Impacts of Disasters	Flood Hazard Risk Reduction	Role of Media in Disaster Management	-
DMDS-648	DMDS-649	DMDS-650	-
3(3-0)	3(3-0)	3(3-0)	-

**Note:** Students are allowed to select any four electives from the given groups. The list is not exhaustive, other courses maybe added on the availability of faculty/resources.

### Field Research

Field research is aimed with a goal to produce human resource (students) be skillful, technical and more professional in writing, analysis of data, interpretation and expertise in conversion of spatially located data into regional study.

### Facilities

**Computer Lab:** The department has the facilities of various laboratories like; Meteorological Laboratory, GIS and RS Laboratory, Cartographic Lab, Geomorphological Lab. (Combined use the Geology Department's museum for Identification of rock samples)

**Internet Facilities:** The internet facility is available at the department. A large number of national and international journals are available on Digital Library provided by HEC.

# ANTHROPOLOGY

## Program(s)

BS (Anthropology)

## Eligibility

Intermediate or Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The subject matter of anthropology that is human being directly gives whole orientation of the program. So, this program of Anthropology aspires to provide the essential skills in understanding the developmental issues of Pakistani society particularly the rural Pakistan. The existing curriculum targets the needs to have dynamic and progressive social scientists particularly in the domains of Anthropology to address the emerging socio cultural issues in Pakistan. Moreover, the department plans to initiate the B.S program, due to the colossal demand within the academic sector of a new institution, due to unavailability of any public institution accept few such as, Quaid- i- Azam University, and Punjab University in Pakistan.

The program provides a variety of important sub disciplines for instance Archaeology, Socio-Cultural Anthropology, Linguistics, Physical Anthropology, Indigenous Knowledge and traditional wisdom, past societies, Political Anthropology, Religion, Global Cultural Transformation, Perspectives on Development, Anthropology of Pakistan and South Asian Societies. The program builds on their knowledge in such a way that initially they are oriented towards the discipline and then courses from all the major subfields of Anthropology are taught.

Students do have optional and minor courses from within and outside the department. They are equipped with extensive training on research through field assignments and courses designed specifically on research and theory. Moreover, students are strategically encouraged to develop their professional writing skills through assignments focusing on writing research paper. In the final semester, the whole focus of the degree i.e. research is undertaken by the students. It comprises of at least a 4-6 months extensive field work and later the thesis reports are prepared. The whole exercise is supervised by the faculty. It gives them basic societal understanding and insights to furnish the professional abilities. It also educates graduates to better understand and contribute towards the developmental and progressive needs of the society.

## Objectives

### Program mission, objectives and outcomes

The department of Anthropology is running its M.Sc in Anthropology at PMAS-AAUR since 1999. Its first admissions were offered in year following i.e. 2000. Since then, the program has contributed towards producing the best and compatible human capital in the discipline. The whole scheme of study was knitted with the aim to produce scholars on Pakistani society as well as culture that are adept in understanding the society with reference to its ancient cultural heritage and at the same time to understand the unique political heritage of the region especially with regards to the Pakistan's movement. This academic discipline is well connected to the cultural uniqueness of the program and also brings it in line with the major cultural traditions and civilizations of the world.

### Documented measurable objectives that support department mission statements

Mission Statement of the BS Program of Anthropology is to prepare students for careers requiring acquisitions, acquirements, cognition, and enosis from a synthesis of the natural and social sciences. The

department and its faculty strongly believes that beneficiaries and students in anthropology are generically thinking beings who are expected and supposed to expose and demonstrate their innate depths of intellect, efficacious reading and authorship and the ability to become problem shooters spanning the humanities, natural sciences and the cultural diversity characteristic of the modern world.

### Strategic objectives of the Program of B.S Anthropology

1. The program bridges the gap between major stakeholders i.e. NGOs and INGOs, academic realm and R&D sector.
2. The program is currently planning to initiate orientation sessions at undergraduate level intending career counseling that shall broaden the awareness of the subject's academic and practical significance.
3. To frequently shape new courses as per the developmental needs and academic requirements of the discipline and introducing them in new scheme of studies.
4. Focusing the research over arid areas of Balochistan specifically and Pakistan generally, in line with universities mission, be used as course material for designing new courses in the next scheme of studies or publication material.

### Main elements of strategic plan to achieve mission and objectives

1. To initiate Department and built its image as a research center, attracting all the major stakeholders including Government departments, organizations and agencies, international donors, international non-governmental organizations, national level NGOs and other civil society organizations forming a nexus that will lead to the development of a functioning cell for generating solutions for social issues and student's professional grooming.
2. Awareness about the subject's subject matter is necessary to make the communities more responsive in terms of enrollment at all level of educational programs.
3. Inclusion and restructuring new courses as per the global trends introduced in the discipline. The focus shall be now on the applied and socio-cultural aspect that will help the students practically be involved in the professional mainstream.
  - Compiling the demographical ethnographic data attained through the research objectives can serve as an opportunity to highlight the issues of the regions of whole Balochistan through reports and publications which will be later used to shape research projects.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English	Pakistan Studies	Introduction to Computer	Introduction to Social Work	Introduction to Anthropology	Pakistan Society & Culture
	<b>Course Code</b>	ENG:601	PS: 601	CS:601	SW:601	ANT:601	ANT:604
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies/Ethics	Introduction to Psychology	Introduction to Social Theory	Ethnography of Pakistan	Social Change & Development
	<b>Course Code</b>	ENG:602	IST:601	MATH:602	ANT:602	ANT:613	ANT:619
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Human Resource Management	Communication & Presentation Skills	Mass Communication	Introduction to Social Research	Introduction to Ancient Civilization	Introduction to Ancient Civilization
	<b>Course Code</b>	IMS-601	ENG:603	MS-601	ANT:606	Ant:612	Ant:612
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Introduction to Social Statistics	Academic Reading & Writing	Introduction to Sociology	Social Anthropology	Contemporary Theory	Physical Anthropology
	<b>Course Code</b>	SS:601	ENG:604	SOC:601	ANT:608	ANT:603	ANT:618
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Archaeological Anthropology	Ethnographic Methodology	Political Science	Introduction to Law	Urban Anthropology
	<b>Course Code</b>	ANT:605	ANT:607	POL SC:601	LAW:601	ANT:617
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Anthropology of South Asia	Applied Anthropology	Medical Anthropology	Anthropology of Religion	Introduction to Economics
	<b>Course Code</b>	ANT:609	ANT:610	ANT:615	ANT:616	ECO:601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 16 Credit Hrs.	Project Planning & Management	Linguistic Anthropology	Training Preparation of Ethnographic Field Work (Course + Field Work)	Peasant Societies	The Anthropology of Food & Nutrition
	<b>Course Code</b>	ANT:611	ANT:620	ANT:621	ANT:625	ANT:623
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3+1)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Anthropology of Myths, Rituals & Symbolism	Family & Marriage in Pakistan	Sufism in South Asia	(Research Thesis)/ Proposal writing & Field Work + Project & Report writing	
	<b>Course Code</b>	ANT:614	ANT:630	ANT:627	ANT:622	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)		

**Total Credit Hours: 128**



# GENDER & DEVELOPMENT STUDIES

## Program(s)

BS (Gender & Development Studies)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Gender and Development Studies aims at creating gender awareness and recognizing women's lived experiences and ambitions by placing them at the centre of social inquiry. It seeks social justice for the marginalized sections of the society and advocates for their human rights. Students in Gender Studies are expected to engage in the production of knowledge that emerges from feminist critique of social, cultural and institutional structures that promote patriarchy and disempower women and other genders. It comprehends that the global and transnational understanding of women's situation is essential to promote interconnections between women at all levels. It considers that development in Pakistan would occur in general and particularly for women when all genders are mobilized in the change-making effort. It includes women's contributions to knowledge in various fields, society's approaches and efforts towards understanding the status of women and strategies for empowering them. It highlights both the need for specialized academic degree awarding studies in gender and development, and the integration of gender analysis and mainstreaming gender in University of Balochistan's other fields of study.

## Objectives

- Critically analyze the social construction of gender and apply this understanding to deconstruct gender inequality and patriarchy;
- Create an academic culture valuing the experiences and contributions of women by exploring and documenting women's historic roles;
- Build a body of knowledge based on invisible or undiscovered lives of women;
- Promote women's human rights through sensitizing and engaging men;
- Strengthen students' ability to critique traditional theories and methods of knowledge by applying feminist concepts and gender studies scholarship;
- Create strategies for empowering women and other marginal genders in their struggle against inequality and oppression and for their effective participation in all areas of society and development.

## Job Opportunities

- Public & Private (educational and research institutes)
- NGOs,
- INGOs,
- UN agencies.

SEMESTER BREAKUP							
Year 1	<b>Sem-1 Total 17 Credit Hrs.</b>	English-I (C)	Pakistan Studies (C)	Mathematics-I (C)	Introduction to Sociology (General-I)	Introduction to Political Science (General-II)	Introduction to Gender Studies (F)
	<b>Course Code</b>	GDS-501	GDS-502	GDS-503	GDS-504	GDS-505	GDS-506
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2 Total 17 Credit Hrs.</b>	English-II (C)	Islamic Studies/ Ethics (C)	Statistics-I (C)	Introduction to Psychology (General-III)	Introduction to Anthropology (General-IV)	Social Construction of Gender (F)
	<b>Course Code</b>	GDS-507	GDS-508	GDS-509	GDS-510	GDS-511	GDS-512
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3 Total 18 Credit Hrs.</b>	English-III (C)	Introduction to Computer (C)	Introduction to Economics (General-V)	Introduction to Law (General-VI)	Feminist Movements and Theories (F)	Gender and Religions (F)
	<b>Course Code</b>	GDS-513	GDS-514	GDS-515	GDS-516	GDS-517	GDS-518
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4 Total 15 Credit Hrs.</b>	Functional English (C)	Introduction to Education (General-VII)	Introduction to Media and Journalism (General-VIII)	Women's History in South Asia (F)	Gender and Islam (F)	Active Citizens
	<b>Course Code</b>	GDS-519	GDS-520	GDS-521	GDS-522	GDS-523	Non Credit
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	

Year 3	<b>Sem-5 Total 18 Credit Hrs.</b>	Gender & Psychology (M)	Gender and Development (M)	Role and Status of Women in Balochistan (M)	Social Research Methods (F)	Gender and Health (F)	Gender, Technology & Entrepreneurship (M)	Social Action Project (SAP)
	<b>Course Code</b>	GDS-601	GDS-602	GDS-603	GDS-604	GDS-605	GDS-606	Non Credit
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-6 Total 15 Credit Hrs.</b>	Gender and Human Rights (F)	Gender and Development in Pakistan (F)	Feminist Research Methods (M)	Gender and Politics (M)	Gender & Rural Development (M)	-	-
	<b>Course Code</b>	GDS-607	GDS-608	GDS-609	GDS-610	GDS-611	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	-	

Year 4	<b>Sem-7 Total 15 Credit Hrs.</b>	Gender Based Violence (M)	Gender, Law and Human Rights in Pakistan (M)	Internship (M)	Elective-I (E)	Elective-II (E)
	<b>Course Code</b>	GDS-612	GDS-613	GDS-614	GDS-615	GDS-616
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	3(3-0)	3(3-0)
	<b>Sem-8 Total 18 Credit Hrs.</b>	Gender and Media (M)	Research Project/Thesis (M)	Gender and Education (M)	Elective-III (E)	Elective-IV (E)
	<b>Course Code</b>	GDS-617	GDS-618	GDS-619	GDS-620	GDS-621
<b>Credit Hrs.</b>	3(3-0)	6(0-6)	3(3-0)	3(3-0)	3(3-0)	

Elective Courses			
Social Construction of Masculinities & Femininities	Contemporary Sociological Theories	Gender, Peace, Security and Conflict	Gender and Literature
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Gender and Development Planning in Pakistan	Gender and Art	Gender and Disaster Management	Gender and Work
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Gender and Environment	Gender and Social Policy	-	-
3(3-0)	3(3-0)	-	-

Categories	No. of Courses	Credit Hours
Compulsory courses (C)	09	25
General courses to be chosen from other departments (G)	08	24
Discipline specific foundation courses (F)	10	30
Major courses including research Project/Internship (M)	13	42
Electives within the major (E)	04	12
Total	44	133

#### List of Compulsory Courses

Courses	Credit Hours
English-I	3(3+0)
Pakistan Studies	2(2+0)
Mathematics-I	3(3+0)
English-II	3(3+0)
Islamic Studies/ Ethics	2(2+0)
Statistics-I	3(3+0)
English-III	3(3+0)
Introduction to Computer	3(3+0)
Functional English	3(3+0)

#### List of General Courses

Courses	Credit Hours
Introduction to Sociology	3(3+0)
Introduction to Political Science	3(3+0)
Introduction to Psychology	3(3+0)
Introduction to Anthropology	3(3+0)
Introduction to Economics	3(3+0)
Introduction to Law	3(3+0)
Introduction to Education	3(3+0)
Introduction to Media and Journalism	3(3+0)

#### List of Foundation Courses

Courses	Credit Hours
Introduction to Gender Studies	3(3+0)
Social Construction of Gender	3(3+0)
Feminist Movements and Theories	3(3+0)
Gender and Religions	3(3+0)
Women's History in South Asia	3(3+0)
Gender and Islam	3(3+0)
Social Research Methods	3(3+0)
Gender and Health	3(3+0)
Gender and Human Rights	3(3+0)
Gender and Development in Pakistan	3(3+0)

#### List of Major Courses

Courses	Credit Hours
Gender and Psychology	3(3+0)
Gender and Development	3(3+0)
Role and Status of Women in Balochistan	3(3+0)
Gender, Technology and Entrepreneurship	3(3+0)
Feminist Research Methods	3(3+0)

Gender and Politics	3(3+0)
Gender and Rural Development	3(3+0)
Gender Based Violence	3(3+0)
Gender, Law and Human Rights in Pakistan	3(3+0)
Gender and Media	3(3+0)
Gender and Education	3(3+0)
Internship	3(0+3)
Research Project/Thesis	6(0+6)

#### List of Elective Courses

Courses	Credit Hours
Social Construction of Masculinities and Femininities	3(3+0)
Contemporary Sociological Theories	3(3+0)
Gender, Peace, Security and Conflict	3(3+0)
Gender and Literature	3(3+0)
Gender and Development Planning in Pakistan	3(3+0)
Gender and Art	3(3+0)
Gender and Disaster Management	3(3+0)
Gender and Work	3(3+0)
Gender and Environment	3(3+0)
Gender and Social Policy	3(3+0)

#### Facilities

Departmental library is equipped with latest and relevant books on the subject. The department has a seminar room, audio visual system along with number of documentaries. It has an equipped computer lab which is connected with internet and has access to central library, University of Balochistan as well as to the library of Higher Education of Pakistan.



# GEOGRAPHY & REGIONAL PLANNING

**Program(s)**

BS (Geography)

**Eligibility**

Intermediate or its Equivalent

**Duration**

4 Years (8 Semesters)

Full time

**Entry**

Semester-1

**Contact hours**

**(first year, full time)**

Approximately 16-22 hours per week

**Find out more**

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

**Introduction**

The Department of Geography and Regional Planning was established in 1985. It caters formal education and research in the fields of Physical and Human Geography with special focus on Regional Development Planning. This department has stretched its dimension from pure geography to its applied aspects like regional planning, urban planning, healthcare and rural planning in 2017 with the return of our qualified faculty in diversified fields of studies, and now earned the name of the Department of Geography and Regional Planning as a result of its practical planning applications. Apart from BS and M.Sc., the Department of Geography and Regional Planning offers higher studies of M.Phil. & Ph.D. programs in various fields like environmental sciences, climate change studies, disaster management, regional planning, urban and rural planning, natural resource management etc. Moreover, the department has also planned to initiate one-year diploma in Geomatics: Geographic Information System (GIS) and Remote Sensing (RS).

Geography examines the interlocking systems of the natural and human environments; evaluates earth's potential and assesses the available means to exploit these potentials in a sustainable manner for the man's life. Geography explains human behavior in spatial terms at all levels from small scale personal activities to the geo-political practices of nation-states. Geography is one of the old and mother disciplines that bridges physical and social sciences. The major essence of geography is to explain and map terrestrial processes at various spatial and temporal scales on the surface pertaining to physical and human environments.

**Objectives**

- To provide educational programs which encourage students to think creatively, constructively and to communicate ideas effectively.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Geography to meet the future needs of educational institutions and field oriented research departments.
- To prepare researchers to meet the needs of administration and research organizations.
- To keep the society aware regarding socio-cultural, environmental and economic problems in a variety of spatial settings.

- To develop skill of quantitative analysis in addition to their descriptive capabilities of problems analysis and identification.

### Vocational Job Opportunities/ Marketability of Graduates

There is a lot of demand of geography's graduates in various sectors and are reported competitive and well-performers. A few employment opportunities institutions are listed below:

- All educational and research institutions
- Planning and Development Departments
- Firms consulting on environmental problems
- Institutions needing Environmental Analysts
- As a GIS Analyst in Corporations Operating GIS
- Census Organizations: Population, Agricultural and etc.
- Government Strategic Policy Analysis Departments
- Armed Forces (Air Force, Navy and Army).
- Natural Resource Management (NRM)
- Geological Survey of Pakistan and Survey of Pakistan
- Meteorological Observatories of Pakistan
- Tourism Departments
- Crisis Management Cells
- National Disaster Management Authority (NDMA)
- SUPARCO
- As a Social organizer in NGOs.
- Rural Development & Local Government
- UNDP
- Water and Power Development Authority (WAPDA)
- Geosciences Laboratories
- Pakistan Mineral Development Corporation (PMDC)
- Pakistan Steels
- Civil Services of Pakistan
- Oil & Gas Development Corporation (OGDC)
- Ministry of Petroleum (Petroleum Cell) and Pakistan Petroleum Ltd. (PPL)
- Pakistan Atomic Energy Commission

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	General Geology (General)	English (Text) –I (Compulsory)	Fundamental of Geography	Introduction to Computing (Compulsory)	Mathematics –I (Compulsory)	Environmental Chemistry –I (General)
	<b>Course Code</b>	GEOL-601	ENG-601	GEOG-601	CS-601	MATH-604	CHEM-617
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Sociology (General)	Islamic Education (Compulsory)	English – II (Grammar) (Compulsory)	Physical Geography	Mathematics – II (Compulsory)	Environmental Biology (General)
	<b>Course Code</b>	SOC-601	IS-601	ENG-602	GEOG-602	MATH-610	BOT-622
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Principles of Micro-economics (General)	Principles of Political Science (General)	Pakistan Studies (Compulsory)	English – III (Technical Writing and Presentation Skills) (Compulsory)	Human Geography	Basic Cartography

	<b>Course Code</b>	ECO-601	POLS-601	PSC-601	ENG-603	GEOG-603	GEOG-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	Principles of Macro-economics (General)	Advanced Cartography	Geography of Pakistan	Map Reading & Topographic Surveying	Geographic Thoughts	Public Administration & Society (General)
	<b>Course Code</b>	ECO-601	GEOG-608	GEOG-605	GEOG-605	GEOG-607	PS-608
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Geomorphology	Climatology	Oceanography	Geography of Settlements	Economic Geography	Principles of Geographic Information System
	<b>Course Code</b>	GEOG-609	GEOG-610	GEOG-611	GEOG-612	GEOG-613	GEOG-614
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Population Geography	Applied Statistics in Geography	Principles of Remote Sensing	Geography of Disasters	Environmental Geography	Research Methods
	<b>Course Code</b>	GEOG-615	GEOG-616	GEOG-617	GEOG-618	GEOG-619	GEOG-620
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)

Semester-VII							
Specialization in Regional Planning (Group-I)							
Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Preparation of Synopsis / Research Project	Introduction to Regional Planning	Regional Planning Techniques	Rural Development Planning	Urban Planning and Management	Environmental Planning & Management
	<b>Course Code</b>	GEOG-621	GEOG-622	GEOG-623	GEOG-624	GEOG-625	GEOG-626
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)
		Environmental Impact Assessment (EIA)					
		GEOG-627					
		3(2-1)					
	Specialization in Physical Geography (Group-II)						
	<b>Sem-7</b> Total 15 Credit Hrs.	Preparation of synopsis / Research Project	Techniques in Geomorphology	Applied Geomorphology	Quaternary Geology	Climate Change Studies	Climate System
	<b>Course Code</b>	GEOG-621	GEOG-628	GEOG-629	GEOG-630	GEOG-631	GEOG-632
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
<b>Sem-8</b> Total 12 Credit Hrs.	Political Geography		Ethics in Geographical Studies		Research Project/Filed Work		
<b>Course Code</b>	GEOG. 633		GEOG. 634		GEOG. 635		
<b>Credit Hrs.</b>	3(3-0)		3(3-0)		6(6-0)		

**Total Credit Hours: 130**

### Field Research

Field research is aimed with a goal to produce human resource (students) be skillful, technical and more professional in writing, analysis of data, interpretation and expertise in conversion of spatially located data into regional study.

### Facilities

#### Departmental Library

The departmental library is managed by a qualified librarian and has a collection of books covering a wide range of disciplines in Geography and Regional Planning. The existing library

provides services to both students and professionals belonging to different environment related departments/ institutions within and outside the campus.

#### **GIS and RS Laboratory**

The department has the GIS and RS Laboratory for equipped with computers for spatial analysis of data and producing maps.

#### **Cartographic Laboratory**

There is Cartographic Laboratory for land surveying and making maps.

#### **Research Laboratory**

The department has a research laboratory for the research students of M.Phil. and Ph.D. programs. Research students are provided cabins with table and chair for conducting research.

#### **Meteorological Laboratory**

There is Metrological Laboratory in the department surveying and making maps.

#### **Geomorphological Laboratory**

The Geomorphological Laboratory possess the models of geologic features. The department also shares the Geology Department's museum for Identification of minerals and rock samples.

#### **Internet Facility**

The high speed Wi-Fi internet facility is available at the department. A large number of national and international journals are available on Digital Library provided by HEC. The downloading of these research articles of your interests is free of cast.



# PROSPECTUS

## BACHELORS STUDY PROGRAMS

### 2023



### Faculty of Literature & Languages:

- ▼ Balochi
- ▼ Pashto
- ▼ Brahui
- ▼ Urdu Literature
- ▼ English Literature
- ▼ Persian
- ▼ Linguistics & Philology



# BALOCHI

## Program(s)

BS (Balochi)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

Balochi language is over a thousand years old, which is spoken in Southern and Middle parts of Pakistan as well in Eastern Iran and Southern Afghanistan. It has rich folklore literature, poetry and historic heritage.

The teaching of Balochi Language and literature was started as a subject in Pakistan Study Center, in 1985. Balochi Department was raised in 1992, Mir Aqil Khan Mengal (Late) was the first Chairman.

## Objectives

- To provide qualified and focused professionals in Balochi literature to meet national/ International needs.
- To teach ancient Balochi folklore, poetry, literature through research.
- To foster a conducive environment which promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

## Job Opportunities

- Education/ Research.
- Electronic and Print Media.
- Interpreter/ Translator in Public/ Private Sectors.
- Archeology and Literary Institutes.



سمسٹر بریک اپ						
اولی سمسٹر کل 17 کریڈٹ آورز	انگلش-I	مطالعہ پاکستان	تعارف علم نفسیات	تاریخ	بلوچی لہرانگ و پچار	بلوچی نمبشتہ رہند
کورس کوڈ	ENG-601	PS-601	PSY-601	HIST-601	BAL-601	BAL-602
کریڈٹ آورز	3(3.0)	2(2.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)
دومی سمسٹر کل 17 کریڈٹ آورز	انگلش-II	اسلامیات	فلسفہ	بلوچی لہرانگ و پچار II (عہدی شاعری)	بلوچی زبان و ہند پتر	رجا نکاری و ازم
کورس کوڈ	ENG-602	IS-601	PHIL-601	BAL-603	BAL-604	BAL-605
کریڈٹ آورز	3(3.0)	2(2.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)

سیمی سمسٹر کل 18 کریڈٹ آورز	انگلش-III	کمپیوٹر	عمرانیات	شہریات	بلوچی لہرانگ و پچار III کسی لہرانگ	بلوچی نگد و پچار
کورس کوڈ	ENG-603	COMP-601	SOC-601	STAT-601	BAL-606	BAL-607
کریڈٹ آورز	3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)
چارمی سمسٹر کل 18 کریڈٹ آورز	ایڈوانس اکیڈمک ریڈنگ اینڈ رائٹنگ	ہیومن رائٹس اینڈ سیٹیزن شپ	بلوچی حالکاری نہانکاری و پچار	جغرافیہ	بلوچی لہرانگ و پچار III (نوکیں شاعری)	بلوچی زبان و پتر پچار
کورس کوڈ	ACDR-601	HR-601	BAL-608	GEO-601	BAL-609	BAL-610
کریڈٹ آورز	3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)

پہنچی سمسٹر کل 18 کریڈٹ آورز	وڈزنی ڈسکورس	بلوچی نگد	بلوچی گیدی شاعری	بلوچی گیدی ردا تک	بلوچی آزما تک
کورس کوڈ	VD-601??	BAL-611	BAL-612	BAL-613	BAL-614
کریڈٹ آورز	3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)
پہنچی سمسٹر کل 18 کریڈٹ آورز	بلوچی لہر بلد نویسی بلوچی لہر بلد نویسی	بلوچی شاعری رجا تک	بلوچی زبان و دری پو لکاری	-	-
کورس کوڈ	BAL-615	BAL-616	BAL-617	-	-
کریڈٹ آورز	3(3.0)	3(3.0)	3(3.0)	-	-
ششمی سمسٹر کل 15 کریڈٹ آورز	نگد و نگدی لیکہ	بلوچی گدار	آزما تک و رجا نکاری	بلوچی آزما تک پچہ	بلوچی و کسمانک نویسی
کورس کوڈ	BAL-618	BAL-619	BAL-620	BAL-621	BAL-622
کریڈٹ آورز	3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)

ہفتمی سمسٹر	بلوچی و رجا نکاری گدار	بلوچی و دستونک	بلوچی لہرانگ و زابلول	بلوچی دود و رجا نکاری	بلوچی و نمدی نویسی
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					کل 15 کریڈٹ آؤرز
BAL-627	BAL-626	BAL-625	BAL-624	BAL-623	کورس کوڈ
3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)	کریڈٹ آؤرز
-	میر عاقل خان میٹگل زندگزام	میر محمد حسین عتقاہ زندگزام	سیدحاشمی، زندگزام	چکانی لبرائنک	ہفتی سہ سہ کل 15 کریڈٹ آؤرز
-	BAL-631	BAL-630	BAL-629	BAL-628	کورس کوڈ
-	3(3.0)	3(3.0)	3(3.0)	3(3.0)	کریڈٹ آؤرز
لبرائی ادارگ	مقالہ نویسی	بلوچی سفرناگ	بلوچی آرتھن پینچند	بلوچی درکسی لبرائنک	ہفتی سہ سہ کل 15 کریڈٹ آؤرز
BAL-636	BAL-635	BAL-634	BAL-633	BAL-632	کورس کوڈ
3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)	کریڈٹ آؤرز
غنی پروازہ زندگزام	عطا شادہ زندگزام	گل خان نصیرہ زندگزام	براہوئی زبان ادب	بلوچی زبان بتاکاری	ہفتی سہ سہ کل 15 کریڈٹ آؤرز
BAL-640	BAL-639	BAL-638	BRAHH-601	BAL-637	کورس کوڈ
3(3.0)	3(3.0)	3(3.0)	3(3.0)	3(3.0)	کریڈٹ آؤرز

#### Facilities

- Mir Aqil Khan Mengal Memorial Library.
- Books & Research Journals 4000.
- Computer Lab.



# BRAHUI

## Program(s)

BS (Brahui)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

The Brahui language is one of the oldest language of this region, it is known as the indigenous language. The language and Literature of Brahui speaking are living in the central Balochistan and adjacent districts of Afghanistan has enriched and diversified through the course of history.

Although studied by orientalist of the late 19<sup>th</sup>, and early 20<sup>th</sup>, century, the language, literature and social value system of these people still remain outside the academic and research domains. Along with other major languages of province Balochistan, higher education diplomas and master degrees.

The department has crossed various ever and of Brahui milestones, while evolving its M. Phil, and Ph.D. programs and initiating the first ever research journal in Brahui "Al-Burz" which is sponsored and recognized by HEC in Z-category.

## HISTORY OF DEPARTMENT.

- **1974-1992:** Brahui as an additional subject has been introduced in Pakistan Study Center, University of Balochistan.
- **1992-1998:** Become a part of Languages department, University of Balochistan, Quetta.
- **1998-onward:** established as a separate department in faculty of Languages & Literature, University of Balochistan Quetta.

## Objectives

- To foster effective study programs and meaningful environment to the groups of motivated young learners and students who would be recognized as post-graduate professionals in Brahui literature, culture and Language, capable of functioning at local, national and international levels.
- To expand the knowledge base and work out in-depth analysis on the themes of Brahui language, literature, folklore, culture, social history and the values systems while reviving ancient Brahui folklore, poetry and literature through teaching and research endeavors through its different degree awarding programs.

## Job/Career Opportunities

- Education/ research institutes in Public/ Private Institutions,
- Electronic and Print Media.
- Interpreter/Translator in Public offices.
- Archeology and History in lok-versa.
- Literary/Cultural institutions.

سمسٹر بریک اپ						
II براہوئی تہیل وبلد	سوشیالوجی	2 مطالعہ پاکستان	I براہوئی تہیل وبلد	1- تاریخ	I انگریزی	اولیکو سمسٹر کل 17 کریڈٹ آدورز
BRH-601	SOC-601	PS-602	BRH-600	HIS-600	ENG-601	کورس کوڈ
3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
- براہوئی خلقی نثر	ماس کمیونیکیشن	اسلامیات	براہوئی خلقی شاعری	پولیٹیکل سائنس	III انگریزی	ارٹیکو سمسٹر کل 17 کریڈٹ آدورز
BRH-603	MS-601	ISL-601	BRH-602	PolSc-651	ENG-602	کورس کوڈ
3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

اولیکو سال

II شاعری ناولنگ - II	تاریخ - II	I- کمپیوٹر	I- شاعری ناولنگ	پولیٹیکل سائنس	III- انگریزی	ارٹیکو سمسٹر کل 18 کریڈٹ آدورز
BRH-605	HIS-601	CS-601	BRH-604	PolSc-652	ENG-603	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
-	اردو	بلوچی	نثر ناولنگ - I	پولیٹیکل سائنس - III	II- کمپیوٹر	چار میکو سمسٹر کل 16 کریڈٹ آدورز
-	URD-600	BAL-601	BRH-606	PolSc-602	CS-602	کورس کوڈ
-	3(3-0)	3(3-0)	3(3-0)	3(3-0)	4(3-1)	کریڈٹ آدورز

ارٹیکو سال

براہوئی بھوگ شوگی ادب	لسانیات	تنقید	براہوئی کھوڑ واملما	براہوئی لہجہ خاک	براہوئی زبان ناناوردوم	چار میکو سمسٹر کل 18 کریڈٹ آدورز
BRH-610	BRH-609	BRH-608	BRH-611	BRH-613	BRH-612	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
براہوئی غزل	براہوئی افسانہ	براہوئی غیر افسانوی ادب	براہوئی افسانوی ادب	براہوئی ادب کی ملتید درخانی	براہوئی قدیم شاعری	ششمیکو سمسٹر کل 18 کریڈٹ آدورز
BRH-619	BRH-618	BRH-617	BRH-616	BRH-615	BRH-614	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

سمسٹر سال

شعری خواست و عروض	براہوئی ادب و میڈیا	نوشت و تہذیب	تنقید و ادب	پت و پول ناخواست آگ	براہوئی ڈرامہ	ہشتمیکو سمسٹر کل 18 کریڈٹ آدورز
(اختیاری - 4)	(اختیاری - 3)	(اختیاری - 2)	(اختیاری - 1)			
یاتی - بڑز کو اختیاری کورس آتیان بیرہارا (2) کورس ہر فنکے						
BRH-607	BRH-624	BRH-623	BRH-621	BRH-622	BRH-620	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
براہوئی دینی ادب	براہوئی ادب کی نیازی	براہوئی ٹیچنا تادب	تنقید و ادب ناسیالی	ریسرچ پراجیکٹ	براہوئی مٹ و بدل	ہشتمیکو سمسٹر کل 21 کریڈٹ آدورز
(اختیاری - 4)	(اختیاری - 3)	(اختیاری - 2)	(اختیاری - 1)			
یاتی - بڑز کو اختیاری کورس آتیان بیرہارا (2) کورس ہر فنکے						
BRH-628	BRH-630	BRH-629	BRH-625	BRH-627	BRH-626	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(3-3)	3(3-0)	کریڈٹ آدورز

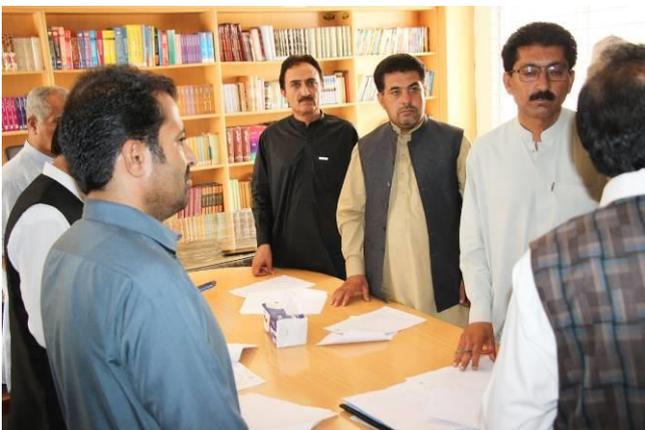
چار میکو سال

## Facilities

**Departmental Library:** Department has well established library consisting of more than 3000 books, periodicals and journals covering different subjects.

**Al-Burz:** "Y" Category HEC approved research Journal, facilitate the researchers & Scholars to publish their new work and research.

**Career Counseling / Internship:** department has internship and counseling facility to explore the hidden potential of the students and guiding them towards their field of interests within the department.



# ENGLISH LITERATURE

## Program(s)

- BS English Literature (Morning) Program
- BS English Literature (Afternoon) Program (Self-Finance) 2:00PM to 5:00PM

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Literature can be defined as 'pieces of writing that are valued as work of art specially novels, plays and poems' (Oxford Advanced Learner's Dictionary). The department of English Literature is one of the oldest departments of the university and indeed- a very popular one too. Literature in English involves the reading and analysis of various writers from fiction and non-fiction and poetry too. Literature teaches about life, cultures and experiences of people from all parts of the world. It makes one more wiser, awakens a sense of judgment, gives information on socio/political conditions of the region, generates sympathy for the oppressed and also polishes the critical skills. Teaching of English Literature also widens the knowledge of the Language and improves the reading and writing skills of the students.

The department has capable and competent faculty members. It has three Ph.D. faculty members and majority of the faculty hold MPhil/ MS in their areas of interest. The departmental atmosphere is congenial and student-friendly. With strong commitment to providing quality education to the people of the province, we also support research oriented teaching and activities. To instill creativity in students, scholarly methods of research are taught and employed that include: close reading, textual analysis, historical and archival research and research projects too. Despite, limited resources the department offers four degree programs that are: BS English, Masters' in Literature, MPhil (English Literature and Linguistics) and Ph.D. in Literature.

Our MA English Students pursue careers in education, media, law, arts, academia and some of them pursue further study in professional and graduate schools outside Pakistan. Therefore, applying for admission in department of English Literature is a wonderful idea!

## Objectives

- Reading literature is an explorative journey. It develops literary sense in the students who can immerse themselves in the worlds unlike ever before.
- Understanding and appreciation of the classics, the individual personality is groomed, empathy and sympathy developed.
- Literature nurture the pedagogical implications.

## Job/Career Opportunities

- Education/ research institutes in Public/ Private Institutions,
- Electronic and Print Media.
- Interpreter/Translator in Public offices.
- English coaching centers and institutions
- Literary/Cultural institutions.
- Media & Journalism.

### SEMESTER BREAKUP

<b>Year 1</b>	<b>Sem-1</b> Total 17 Credit Hrs.	English I: Reading and Writing Skills	Introduction to Linguistics	Brief History of English Literature (1)	Introduction to Philosophy (1)	Introduction to Psychology (1)	Pakistan Studies
	<b>Course Code</b>	ENG-611	ELing-612	ELit-613	Phil-614	Psy-615	PS-616
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English II: English Composition	Phonetics and Phonology	Brief History of English literature (II)	Introduction to Statistics	Introduction to International Relations	Islamic Studies
	<b>Course Code</b>	ENG-621	ELing-622	ELit-623	Psy-624	Phil-625	ISL-620
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	

<b>Year 2</b>	<b>Sem-3</b> Total 18 Credit Hrs.	English III: Communication & Presentation Skills	Morphology and Syntax	Introduction to English Literature (1): Poetry & Short Stories	Introduction to Political Science	Introduction to Sociology	Introduction to Computer
	<b>Course Code</b>	ENG-631	ELing-632	ELit-633	PolSc-634	Soc-635	CS-636
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	English IV: Academic Reading & Writing	Semantics and Pragmatics	Introduction to Drama	Introduction to English Literature (II) Novel & Prose	Human Rights & Citizenship	Mass Media in Pakistan
	<b>Course Code</b>	ENG-641	ELing-642	ENG-643	EIIT-644	ENG-645	MM-646
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 3</b>	<b>Sem-5</b> Total 15 Credit Hrs.	Psycholinguistics	Sociolinguistics	Classical Literary Criticism	World Literature in English	Pakistani Literature (i)
	<b>Course Code</b>	ELing-651	ELing-652	ELit-653	ELit-654	ELit-655
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Methods of English Language Teaching	World Englishes	Modern Literary Criticism	Introduction to American Literature	Research Methodology
	<b>Course Code</b>	ELing-661	ELing-662	ELit-663	ELit-664	RM-665
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 4</b>	<b>Sem-7</b> Total 16 Credit Hrs.	Syllabus Design and Material Development	African American Literature	Modern & Contemporary poets	Continental Literature	Research Project(Literature & Linguistics) (1)
	<b>Course Code</b>	ELing-671	ELit-672	ELit-673	ELit-674	RM-675
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)
	<b>Sem-8</b> Total 17 Credit Hrs.	Language Testing and Assessment	English Language Teaching in Pakistan	Modern Drama	Emerging Forms of Literature	Journalistic Writing
	<b>Course Code</b>	ELing-681	ELing-682	ELit-683	ELit-684	ELit-685
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

**Total Credit Hours : 130**

### TEMPLATE FOR BS ENGLISH

Sr.	Categories	No. of courses	Credit Hours
1.	Compulsory Requirement (No Choice)	07	19
2.	General Courses to be chosen from other departments	08	24
3.	Discipline Specific Foundation Courses	08	24
4.	Major Courses including research project	13	36
5.	Electives within the major	07	24
	<b>Total</b>	<b>43</b>	<b>130</b>

### COURSE LAYOUT FOR BS ENGLISH (4 YEARS)

S. No	Compulsory Course	Credit Hours	S. No	General course (to be chosen from others department)	Credit Hours
	07 Courses			8 Courses	
	19 Credit Hours			24 Credit Hours	
01	Reading and Writing skill (English-I)	3(3-0)	01	Introduction to International Relations	3(3-0)
02	English Composition (English-II)	3(3-0)	02	Mass Media in Pakistan	3(3-0)
03	Communication and presentation skills(English-III)	3(3-0)	03	Introduction to Philosophy	3(3-0)
04	Academic Reading and Writing(English IV)	3(3-0)	04	Introduction to Psychology	3(3-0)
05	Pakistan Studies	2(2-0)	05	Introduction to Sociology	3(3-0)
06	Islamic Studies / Ethics	2(2-0)	06	Human Rights and citizenship	3(3-0)
07	Introduction to Computer	3(3-0)	07	Introduction to Political Science	3(3-0)
			08	Journalistic Writing	3(3-0)
			09	Introduction to History	3(3-0)
			10	Introduction to Statistics	3(3-0)
			11	Introduction to Economics	3(3-0)

### COURSE LAYOUT FOR BS ENGLISH (4 YEARS)

S. No.	Discipline	Specific	Major course Including Research Project	Elective Courses within the Major	Credit Hours
	Foundation Courses		12 Courses	08 Courses	
	08 Courses		36 Credit Hours	24 Credit Hours	
01	Introduction to Linguistics		Modern & Contemporary Poets	World Literature in English	3(3-0)
02	Introduction to English Literature (1)		Modern Drama	Sociolinguistics	3(3-0)
03	Phonetics and Phonology		Short stories	World Englishes	3(3-0)
04	Brief History of English Literature (I)		Novel & Prose	Continental Literature	3(3-0)
05	Introduction to English Literature (II) Novel & Prose		Classical Literary Criticism	Discourse Analysis	3(3-0)
06	History of English Literature (II)		Psycholinguistics	English Language Teaching In Pakistan	3(3-0)
07	Introduction to Drama		Methods of English Language Teaching	Emerging Forms of Literature	3(3-0)
08	Phonetics & Phonology		Language Testing and Assessments	American Literature	3(3-0)
09			Pakistani Literature		3(3-0)
			African American Literature		3(3-0)
10			Syllabus Design and Material Development		3(3-0)
11			Modern Literary Criticism		3(3-0)
12			Research Methodology (Lit & Ling)		3(3-0)

#### Facilities

- Departmental Library
- Computer Lab

# LINGUISTICS AND PHILOLOGY

## Program(s)

- BS English Linguistics

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The English Language Center (ELC) was established in 1981, and the courses it offered to all the students of the university, till May, 2022 were:

- Functional English Course
- ESP
- Business Communication

The Center was upgraded in June, 2022 to **Department of Linguistics and Philology**.

It houses a well-equipped Seminar Library and Self Access Center (SAC) for online access to all courses.

It offers a flavor of a number of myriad resources to its valued students, including a variety of books on Language, Literature and Linguistics, Audio-video Aids, research journals and theses.

The faculty is highly qualified, experienced and tech-savvy. Most of them are Ph.Ds. from abroad.

The department offers BS 4-year degree in English linguistics. The program focusses on the scientific study of the language in all aspects. The main goal of English linguistics, like all other intellectual disciplines, is to increase our knowledge and understanding of the world. It has a strong emphasis on linguistics theories as well as on field work and experimental studies.

Since language is universal and fundamental to all human interactions, the knowledge attained in linguistics has many practical applications. The major sub-fields of Linguistics include:

- Phonetics: the study of speech sounds
- Phonology: the study of language sound system
- Morphology: the study of word structure
- Syntax: the study of how linguistic units larger than the word are constructed
- Semantics: the study of meaning
- Historical linguistics: the study of language change over time
- Sociolinguistics: the study of how language is used in society
- Psycholinguistics: the study of how language is processed in mind
- Neurolinguistics: the study of the actual encoding of language in the brain

Computational linguistics: learning and understanding a language involves computing the properties of that language that are described in its phonology, syntax and semantics.

- **Vision:**
- The Department of Linguistics and Philology envisions a world where language and cultural diversity is celebrated and studied, leading to a deeper understanding of the human experience and facilitating effective communication and cooperation across cultures.
- **Mission:**
- The Department of Linguistics and Philology strives to achieve its vision by:
- **Conducting research:** The department conducts cutting-edge research to advance the knowledge and understanding of language, culture, and communication across various disciplines.
- **Teaching:** The department offers rigorous academic programs and courses that equip students with critical thinking skills, analytical tools, and knowledge to understand and appreciate the complexity and diversity of language and culture.

- **Community engagement:** The department engages with the broader community to promote language and cultural awareness, diversity, and understanding.
- **Collaboration:** The department collaborates with other academic institutions, organizations, and communities to foster interdisciplinary and cross-cultural dialogue and cooperation.
- Overall, the Department of Linguistics and Philology seeks to contribute to the advancement of knowledge and understanding of language and culture, and to promote linguistic and cultural diversity and understanding in society.

**Job/Career Opportunities:**

- English teacher at school, college and University level
- Speech Therapist
- Forensic Linguist
- Publishing copy editor/ proof reader
- English coaching centers and institutions etc

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Linguistics	History of the English Language	Functional English – I	Islamic Studies	Introduction to Psychology	Introduction to Study Skills
	<b>Course Code</b>	ELING-601	ELING-602	FUNENG-601	ISL-601	PSY-601	STS-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Applied Linguistics	Introduction to Phonetics	Functional English – II	Pakistan Studies	Introduction to History	Introduction to Sociology
	<b>Course Code</b>	ELING-603	ELING-604	ELING-602	PST-601	HIS-601	SOC-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	2(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Introduction to Phonology	Introduction to Morphology	Functional English – III	Introduction to Computer Studies	Introduction to Political Science	Introduction to Philosophy
	<b>Course Code</b>	ELING-605	ELING-606	ELING-603	CS-601	POLS-601	SOC-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Introduction to Syntax	Introduction to Semantics	Second Language Acquisition	Human Rights & Citizenship	Introduction to Statistics	Regional Languages (Balochi/Brahvi /Pashto/Urdu)
	<b>Course Code</b>	ELING-607	ELING-608	ELING-609	HRC-601	STAT-601	REGL-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Pragmatics	Psycholinguistics	Sociolinguistics	English for Specific Purposes	Discourse Studies	
	<b>Course Code</b>	ELING-610	ELING-611	ELING-612	ELING-613	ELING-614	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-6</b> Total 15 Credit Hrs.	Research Methods in Applied Linguistics	Language Policy & Planning	Methods of English Language Teaching	Lexical Studies	Linguistic Stylistics	
	<b>Course Code</b>	ELING-615	ELING-616	ELING-617	ELING-618	ELING-619	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	World Englishes	Pedagogical Grammar	Writing a Research Proposal	Corpus Linguistics	Language and Gender	
	<b>Course Code</b>	ELING-620	ELING-621	ELING-622	ELING-623	ELING-624	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 17 Credit Hrs.	Language Testing & Assessment	Research Project in Applied Linguistics	Forensic Linguistics	Translation Studies	Critical Discourse Analysis	
	<b>Course Code</b>	ELING-625	ELING-626	ELING-627	ELING-628	ELING-629	
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		

**Total Credit Hours : 130**

Optional Elective Courses for Semesters 5-8 (subject to availability of the faculty)				
Sem	Course Code	CHs	Course Title	Course Category
Any (Major)	ELING-630	3 (3-0)	Anthropological Linguistics	Optional
	ELING-631	3 (3-0)	Historical Linguistics	Optional
	ELING-632	3 (3-0)	Philosophical Linguistics	Optional
	ELING-633	2 (2-0)	Neurolinguistics	Optional
	ELING-634	3 (3-0)	Semiotics	Optional
	ELING-635	3 (3-0)	English for Academic Purposes	Optional
	ELING-636	3 (3-0)	Computational Linguistics	Optional
	ELING-637	3 (3-0)	Foundation to Bilingualism/Multilingualism	Optional

### Facilities

- Departmental Library
- Computer Lab



# PASHTO

**Program(s)**

BS (Pashto)

**Eligibility**

Intermediate or its Equivalent

**Duration**

4 Years (8 Semesters)

Full time

**Entry**

Semester-1

**Contact hours**

**(first year, full time)**

Approximately 16-22 hours per week

**Find out more**

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

**Introduction**

Amongst other sister languages of her family, Pashto is one of the living languages of Indo-Iranian stock. It is estimated that Pashto was spoken almost 1000 BC in the Bactrian rangelands and settled communities around river Oxus. The excavations of the historical sites validate interesting revelations about the people of this part of the world. Pashto as a language and value system caters to the life of an ordinary Pashtoon. Score of scholastic projects are carried out on the study of Pashto, Pashtoons and Pashtoonwali mainly during the colonial era. In the post colonial era, academic and research institutions in Afghanistan and today Khyber Pakhtunkhwa started institutional basis that helped in practicing teaching and research as disciplines in Pashto language and literature.

In order to study the literary and cultural capitals of the Pashtoon areas, diploma level courses of Pashto Adeb, Fazal and Aalim were started in 1886 through Pakistan Study Center. The department of Pashto gradually evolved in 1992 while offering two years master degree programs. Professor Wali Muhammad Sial Kakar was one amongst the other pioneers who head Pashto department as the first chairperson.

Since inception, the department of Pashto has crossed several milestones of its growth and development. It has designed and developed effective masters, M.Phil and PhD programs. It has a full fledge faculty with highest academic credentials of PhD, developed "Khan Shaheed Digital Library", and has a department library with above 4000 books. The department has also incepted a bilingual and biannual research journal "TAKATOO: that is recognized by HEC in category "Y".

**Objectives**

- To develop a conducive learning and practice environment for creating motivated young scholars, researchers, practitioners and literary and cultural activists regarding Pashto language and culture that will enrich the public sector research, development, educational and cultural institutions.
- To foster study programs that can maximize the possibilities of carrying out interventions for the promotion of Pashto language, literature, culture and history that will also transcend the existing knowledge base and research paradigms.

**Job Opportunities**

- Education / research in Public / Private sectors.
- Electronic and Print Media.
- Interpreter / Translator in Public / Private sectors.
- Archeology and history in lok versa.

- Literary / Cultural institutions.

#### Facilities

- Departmental Library, Books & Research journals 1300
- Computer Lab
- Digital Library

### فهرست: (Contents)

#### Outline:

Semester/Year	Name of Subject	Credit Hours	Page	Course Code	
<b>1<sup>st</sup> Semester</b>					
	English-1	3(3-0)	15	501	
	Pakistan Studies	2(2-0)	17	501	
	Statistics-1	3(3-0)	19	501	
	General-I	مطالعه تاريخ	3(3-0)	31	501
	General-II	سوشيالوجي (۱)	3(3-0)	32	501
	Foundation-I	رسم الخط او پڻتو ليک دود	3(3-0)	40	501
Total Credit Hours: 17					
<b>2<sup>nd</sup> Semester</b>					
	English-II	3(3-0)	21	502	
	Islamic Studies/Ethics	2(2-0)	23	501	
	Computer	3(3-0)	25	501	
	General-III	پا سهيلي پڻتونخو کي ويونکي ٿي	3(3-0)	33	510
	General-IV	سوشيالوجي (۲)	3(3-0)	34	501
	Foundation-II	علم الکلام او ادبي اصطلاحات	3(3-0)	41	502
Total Credit Hours: 17					

**3<sup>rd</sup> Semester**

English-III		3(3-0)	26	503
Introduction of Computer		3(3-0)	27	501
General-V	بنیادی ژبپوهنه (لسانیات)	3(3-0)	35	512
General-VI	د ژباړې فن او اصول	3(3-0)	36	511
Foundation-III	د سهېلي پښتونخوا اولسي ادب	3(3-0)	42	503
Total Credit Hours: 15				

**4<sup>th</sup> Semester**

English-IV		3(3-0)	29	504
General-VII	پښتو گرامر	3(3-0)	37	513
General-VIII	د تحقیق اصول او طریقه کار	3(3-0)	38	514
Foundation-IV	شعري اصناف	3(3-0)	43	504
Foundation-V	پښتو کلاسیکي ادب او سبک	3(3-0)	44	505
Total Credit Hours: 15				

**5<sup>th</sup> Semester**

Foundation-VI	نثري اصناف	3(3-0)	45	509
Foundation-VII	د پښتو فولکلوري اصناف	3(3-0)	47	506
Major-I	د پښتو د اصل ونسب تاریخ	3(3-0)	52	515
Major-II	د پښتو ژبې تاریخ	3(3-0)	53	516
Major-III	د پښتو ادب د لرغونم دو ې شاعران	3(3-0)	54	517
Total Credit Hours: 15				

6<sup>th</sup> Semester

Foundation-VIII	تنقيد (۱)	3(3-0)	48	507
Foundation-IX	د پښتو ادبي مکتبونو	3(3-0)	49	508
Major-IV	روښاني غورځنگ	3(3-0)	55	518
Major-V	خوشحال بابا او دهغه کورنۍ ادبي پېرزويني	3(3-0)	56	519
Major-VI	رحمان بابا او دهغه مکتب	3(3-0)	57	520
Total Credit Hours: 15				

7<sup>th</sup> Semester

Major-VII	د پښتو ادب نوې جديد دوره	3(3-0)	58	521
Major-VIII	په سهېلي پښتونخوا کې د ازادۍ مبارزه او ادب	3(3-0)	59	522
Elective-I	د علامه عبد العلي اخوندزاده او	3(3-0)	65	527

عبدالسلام بابا مطالعه

Elective-II	د پښتو ښځينه ليکوالي	3(3-0)	66	528
Foundation-X	کره کتنه (۱)	3(3-0)	50	529
Elective-III	ارواح پوهنه	3(3-0)	67	530
Total Credit Hours: 18				

8<sup>th</sup> Semester

Major-IX	Research Project/Internship	3(3-0) + 3(3-0)	60	523
Major-X	پښتو قيصه ايز ادب	3(3-0)	61	524
Major-XI	پښتو ادب او ترقي پسندي	3(3-0)	62	525
Major-XII	پښتو ادب او تصوف	3(3-0)	63	526
Elective-IV	پښتو رزميه ادب	3(3-0)	69	529
Elective-V	په پښتو ژبه کې صحافت	3(3-0)	70	530
Elective-VI	پښتو ادب ته د مستشرقينو خدمات	3(3-0)	71	531
Optional PSH	د پښتو ژبې او ادب مطالعه	3(3-0)	72	532
Total Credit Hours: 18				

# URDU LITERATURE

## Program(s)

BS Urdu Literature

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

Or

Contact Tel: +92 81 9211244, Ext.

1457/1458

## Introduction

Urdu language is now becoming an international language, therefore, there is a dire need to disseminate, promote & advance the knowledge to that literature whether it is scientific, logical or non-scientific could be translated in to Urdu. Surprisingly enough, most of the Urdu literary contributions, non-a-days are translated in different languages like English, German, Russian, French, Chinese & Japanese.

Urdu Department has the unique honor to be the first Department to start research oriented work up to M.Phil. and Ph.D. levels in the University.

Prof: Mujtaba Hussain, an eminent Critic, established Department of Urdu (UOB) in 1973. Many renowned Educationists, Writers, Scholars, Poets and play Writers of Balochistan were groomed and nurtured in the Urdu department.

## Objective:

- Urdu is the national language as such it plays a vital role in the development of national harmony and act as a bridge for different language of Pakistan. In deed it is the most common medium of instructions and communication. The Department of Urdu is thus the mother department of the Languages.
- To guide the student of M. Phil & Ph. D in-depth research of Urdu Language and Literature for ascertaining multi faceted values of different ages.
- To explore old and new horizons of Urdu literature pertaining to prose, poetry and criticism.
- To foster and environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Urdu to meet the future needs of educational institutes or industry.
- To prepare researchers to meet the needs of industry and research organizations, science and technology.

## Job/Career Opportunities

- Educational Institutions Colleges / Universities.
- Interpreters.
- Electronic & Print Media.
- Advertisement agencies.
- Provincial / Federal Civil Services.
- Ngo's.

مجوزہ لازمی (compulsory) کورسز برائے بی ایس اردو (۴ سالہ) کریڈٹ آورز: ۲۵

سمسٹر	مضامین	کورس کورڈ	کریڈٹ گھنٹے
پہلا سمسٹر:	انگلش-۱	Eng-601	۲(۲-۰)
	مطالعہ پاکستان	Ps-601	۲(۲-۰)
	ریاضی	Math-601	۲(۲-۰)
دوسرا سمسٹر:	انگلش-۲	Eng-602	۲(۲-۰)
	اسلامیات/اخلاقیات	Isl-601	۲(۲-۰)
	شماریات	Stat-602	۲(۲-۰)
تیسرا سمسٹر:	انگلش-۳	Eng-603	۲(۲-۰)
	کمپیوٹر کا علم-۱	Cs-601	۲(۲-۰)
	کمپیوٹر کا علم-۲	Cs-601	۲(۲-۰)

نوٹ: اسلامیات اور مطالعہ پاکستان کے کورسز دودو کریڈٹ آورز کے ہوں گے جب کہ باقی تمام کورسز تین تین کریڈٹ آورز کے ہوں گے۔

مجوزہ عمومی (General) کورسز برائے بی ایس اردو (۴ سالہ) کریڈٹ آورز: ۲۴

سمسٹر	مضامین	کورس کورڈ	کریڈٹ گھنٹے
پہلا سمسٹر:	نفسیات	Psy-625	۲(۲-۰)
	عمرانیات	Soc-603	۲(۲-۰)
	معاشیات	Eco-604	۲(۲-۰)
دوسرا سمسٹر:	فلسفہ	Phil-602	۲(۲-۰)
	مسلم تہذیب و ثقافت/تاریخ اسلام	Mh-605	۲(۲-۰)
	علم التعلیم	Kc-606	۲(۲-۰)
تیسرا سمسٹر:	براعظیم کی تاریخ (ماقبل تاریخ تا ۱۹۴۷ء)	Cd-607	۲(۲-۰)
	پاکستان: سیاسی تاریخ	Ph-608	۲(۲-۰)
	عربی/فارسی/ہندی (کسی ایک زبان کی مختصر تاریخ اور قواعد)	APH-609	۲(۲-۰)
	بشریات	B-610	۲(۲-۰)
چوتھا سمسٹر:	پاکستانی زبانوں کا ادب (یونیورسٹی/کالج اپنے علاقے میں بولی جانے والی پاکستانی زبان/زبانوں کے ادب کا انتخاب کرے گی)	Lp-611	۲(۲-۰)
	جغرافیہ عالم	Gs-612	۲(۲-۰)
	فطری علوم تعارفی مطالعہ (طبیعیات، کیمیا، حیاتیات)	PSI-613	۲(۲-۰)
	ماحولیات	E-614	۲(۲-۰)

نوٹ: تمام کورسز تین تین کریڈٹ آورز کے ہوں گے۔ ہر سمسٹر میں دودو عمومی کورسز لینا ہوں گے۔

مجوزہ بنیادی (foundation) کورسز برائے بی ایس اردو (۳ سالہ) کریڈٹ آورز: ۲۷

کریڈٹ گھنٹے	کورس کورڈ	مضامین	سمسٹر
۳(۳-۰)	Urd-611	اردو زبان - تشکیل و ارتقا	۱: پہلا سمسٹر:
۳(۳-۰)	Urd-621	شعری اصناف: تعارف اور تفہیم (حصہ اول) طے شدہ اصناف کا تعارف، منتخب شاعر کا کلام۔	۲: دوسرا سمسٹر:
۳(۳-۰)	Urd-631	شعری اصناف: تعارف اور تفہیم (حصہ دوم)	۳: تیسرا سمسٹر:
۳(۳-۰)	Urd-641	نثری اصناف: تعارف اور تفہیم (حصہ اول)	۴: چوتھا سمسٹر:
۳(۳-۰)	Urd-642	تحریر و انشا (عملی تربیت)	
۳(۳-۰)	Urd-651	نثری اصناف: تعارف اور تفہیم (حصہ دوم)	۶: پانچواں سمسٹر:
۳(۳-۰)	Urd-652	اردو زبان - قواعد و املا	
۳(۳-۰)	Urd-661	بیان و بدیع و عروض	۸: چھٹا سمسٹر:
۳(۳-۰)	Urd-662	ادبی اصطلاحات	

نوٹ: ہر کورس تین کریڈٹ آورز کا ہے۔

مجوزہ تخصیصی (Major) کورسز برائے بی ایس اردو (۳ سالہ) کریڈٹ آورز: ۳۹

تیسرا سال

کریڈٹ گھنٹے	کورس کورڈ	مضامین	سمسٹر	
۳(۳-۰)	Urd-653	اردو داستان اور ناول فکری و فنی مباحث	۱: پانچواں سمسٹر:	
۳(۳-۰)	Urd-654	اردو غزل کا فنی و فکری مطالعہ		۲:
۳(۳-۰)	Urd-655	تاریخ ادب اردو اور ادبی تحریکیں		۳:
۳(۳-۰)	Urd-663	اردو افسانہ اور ڈرامہ فکری اور فنی مطالعہ	۴: چھٹا سمسٹر:	
۳(۳-۰)	Urd-664	اردو ناول کا ارتقا بیسویں صدی تا حال		۵:
۳(۳-۰)	Urd-665	اردو نظم فکری و فنی مطالعہ		۶:
۳(۳-۰)	Urd-666	اردو نثر کے اسالیب		۷:

چوتھا سال

کریڈٹ گھنٹے	کورس کورڈ	مضامین	سمسٹر
۳(۳-۰)	Urd-671	لسانیات	۸: ساتواں سمسٹر:
۳(۳-۰)	Urd-672	اصول تحقیق و تدوین	
۳(۳-۰)	Urd-673	ریسرچ ورک / تذکرہ نگاری اور اردو میں تذکرہ نگاری کی روایت	۱۰:
۳(۳-۰)	Urd-681	ریسرچ ورک / اردو میں ادبی تحقیق کی روایت	۱۱: آٹھواں

۳(۳-۰)	Urd-682	نئے تنقیدی مباحث	:۱۲	سمسٹر:
۳(۳-۰)	Urd-683	اقبال کا خصوصی مطالعہ (فکری و فنی مطالعہ اور تشریح متن)	:۱۳	

نوٹ: ہر کورس تین کریڈٹس اور زکا ہے۔

مجوزہ تخصیصی اختیاری (Elective within the Major) کورسز برائے بی ایس اردو (۴ سالہ) کریڈٹس آورز: ۱۲

(سال چہارم)

کریڈٹ گھنٹے	کورس کورڈ	مضامین	سمسٹر
۳(۳-۰)	Urd-674	عالمی کلاسیک	:۱
۳(۳-۰)	Urd-675	اردو فکشن میں تاریخی و تہذیبی شعور	:۲
۳(۳-۰)	Urd-676	لغت نویسی کا فن اور اردو میں لغت نویسی کی روایت	:۳
۳(۳-۰)	Urd-677	بلوچستان میں اردو شعر و ادب کی روایت	:۴
۲(۲-۰)	Urd-678	غالب کی تحقیقی و فکری جہالت	:۵
۳(۳-۰)	Urd-679	معاصر شعری ادب	:۶
۳(۳-۰)	Urd-684	ادب و سماجی علوم	:۱
۳(۳-۰)	Urd-685	ادب اور ابلاغیات	:۲
۳(۳-۰)	Urd-686	فروغ اردو کے اہم ادارے	:۳
۳(۳-۰)	Urd-687	اردو ادب کا ماحد نوآبادیاتی مطالعہ	:۴
۲(۲-۰)	Urd-688	سرسید کی فکری جہالت	:۵
۳(۳-۰)	Urd-689	معاصر نثری ادب	:۶

نوٹ: ہر کورس تین کریڈٹس اور زکا ہے۔ ہر سمسٹر میں دو دو کورسز لینا ہوں گے۔

## Facilities

### Departmental Library:

In departmental Library, there are 1000 books covering a wide range of Urdu Adab and Theqeeq. The library also has a vast collection of prestigious journals.

### Multimedia:

Multimedia and overhead projector aids are used in the class rooms, Seminars and conferences to facilitate the students learning experience.

# PERSIAN

## Program(s)

BS (Persian)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Persian language and literature have influenced the Central Asia and South Asian cultures and languages for almost millennia. The development of literary genres and forms of poetic and artistic expression directly impacted particularly the written literature of languages and people living in India and Pakistan. The construction of world famous epics like Shahnama, and the legendary poetic and imaginative dictions of Hafiz Sherazi, Jalaludin Rumi, Bedil, Firdousi and Sheikh Saadi have always been central and representing stuff of the orient.

Department of Persian was established alongside the departments of local languages at University of Balochistan. Since inception, the department has been instrumental to engaged motivated young students who seek their career in the domain of Persian language and literature. The department has been offering extensive master degree program in Persian language and literature and intends to seek viable study programs of M.Phil and Ph.D.

## Objectives

- To develop a encouraging environment of learning and practice in the department that will capacitate the young scholars, writers, researchers and artists seeking their career in the domain of Persian language and literature and that will rendered pool of high quality human resource to serve the national and regional level literary, research and academic institutions.
- To preserve and develop the historical and literary assets and heritage of Persian in Balochistan that will be instrumental to foster scholastic and literary linkages amongst the various ethnic groups of Balochistan that can bring peace, pluralism and social harmony as one of the outcomes of academic and research endeavors.

## Job/Career Opportunities

- Educational and Research Institutes at Colleges/Universities etc.
- Radio and Television Networks.
- Field based journalist and reporting
- Translators and Interpreters.

## Facilities

**Departmental Library:** In departmental Library, there are 1000 books covering a wide range of Urdu Adab and Theqeeq. The library also has a vast collection of prestigious journals.

**Multimedia:** Multimedia and overhead projector aids are used in the class rooms, Seminars and conferences to facilitate the students learning experience.

## Curriculum for Four Years BS Degree Course in Persian

### OBJECTIVES:

BS Course in Persian Language and Literature has been designed to determine that the candidate has acquired:-

- A fairly high degree of command over the language and literature both oral and written, to be able to appreciate literary works and to comprehend accurately writings of quality
- A sound knowledge of political, social and cultural background of Persian Language and Literature particularly new streams of ideas, concepts and notions in contemporary literature and events in Iran.

### REQUIREMENTS FOR ADMISSION

Higher Secondary School Certificate in 2<sup>nd</sup> Division with Persian as an elective subject or Diploma in Persian Language from any government recognized institute or its equivalent course from Iranian Cultural Centre upto five level classes. If the basic qualification of the candidate does not provide adequate proficiency to pursue the BS course, he/she will be required to attend a Proficiency Course before the start of BS regular course.

### MEDIUM OF INSTRUCTIONS

Persian shall be medium of instruction

### CREDIT VALUES

Course Credit Values	Marks of Quizzes Assignments	Marks of Mid-Term Test	Marks of Terminal Exam	Total Marks
1- Credit	05	20	25	50
2- Credits	10	40	50	100
3- Credits	25	50	75	150
4- Credits and so on	25	75	100	200

- The total marks for the BS Degree shall therefore, be 6800.
- One credit hour means teaching a theory course for 50 minutes each week throughout the semester.

### Course Load Structure

1. Total no. of Credit Hours	:	136 CH's
2. Semester Duration	:	16-Weeks
3. Course Duration	:	04 Years
4. No. of Semesters	:	08 Semesters
5. Course Load Per Semester	:	15-18 CH's

## COURSE LAYOUT Compulsory Courses

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		English – i	زبان انگلیسی- 1	03
2		English – ii	زبان انگلیسی- 2	03
3		English – iii	زبان انگلیسی- 3	03
4		English– iv*	زبان انگلیسی- 4	03
5		Pakistan Studies	پاکستان شناسی	02
6		Islamic Studies/Ethics	علوم اسلامی/اخلاقی	02
7		Mathematics-i	ریاضیات- 1	03
8		Mathematics ii**	ریاضیات - 2	03
9		Introduction to Computer	آشنایی با کامپیوتر	03

**Total Credit Hours: 25**  
**General/Elective Courses**

S.No	Course code	Course Title	عنوان درس	Credit Hours
1		Iranology –i	ایران شناسی- 1	03
2		Iranology – ii	ایران شناسی- 2	03
3		Iranology – iii	ایران شناسی- 3	03
4		Arabic Grammar	قواعد عربی	02
5		Arabic Text Comprehension	درک متون عربی	02
6		Text Translation –i	ترجمه متون- 1	02
7		Text Translation-ii	ترجمه متون- 2	02
8		Translation and Interpretation	ترجمه و تفسیر	02
9		Research Methodology	روش تحقیق	03
10		Sufism and Mysticism	عرفان و تصوف	02

**Total Credit Hours: 24**

\* University has the option to recommend any other course in lieu of English - iv  
\*\* University may recommend any other course in lieu of mathematics -ii

## Foundation/Basic Courses

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		Reading & Text Comprehension- i	خواندن و درک مفاهیم- 1	03
2		Reading & Text Comprehension-ii	خواندن و درک مفاهیم- 2	03
3		Persian Grammar and Writing-i	نظور و نگارش فارسی- 1	03
4		Persian Grammar and Writing-ii	نظور و نگارش فارسی- 2	03
5		Communication Skills -i	گفت و شنود- 1	03
6		Communication Skills-ii	گفت و شنود- 2	03
7		Creative writing	تبدیل	02
8		Functional Persian	فارسی کاربردی	02
9		Rhetoric	بلاغت	02
10		History of Persian Language	تاریخ زبان فارسی	02
11		Persian Linguistics	زبان شناسی فارسی	02
12		Persian Literary Criticism	نقد ادبی فارسی	03
13		Prosody and Rhyme	عروض و قافیه	02

Total Credit hours: 33

## MAJOR COURSES

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		Classical Persian poetry -i	شعر کلاسیک فارسی- 1	03
2		Classical Persian poetry -ii	شعر کلاسیک فارسی- 2	03
3		Classical Persian poetry-iii	شعر کلاسیک فارسی- 3	03
4		Classical Persian poetry in Subcontinent	شعر کلاسیک فارسی در شبه قاره	03
5		Classical Persian prose -i	نثر کلاسیک فارسی- 1	03
6		Classical Persian prose-ii	نثر کلاسیک فارسی- 2	03
7		Classical Persian prose-iii	نثر کلاسیک فارسی- 3	03
8		Classical Persian prose in Subcontinent	نثر کلاسیک فارسی در شبه قاره	03
9		History of Persian Literature-i	تاریخ ادبیات ایران- 1	03
10		History of Persian literature-ii	تاریخ ادبیات ایران- 2	03
11		History of Persian literature-iii	تاریخ ادبیات ایران- 3	03
12		History of Persian literature in Subcontinent	تاریخ ادبیات ایران در شبه قاره	03
13		Research Paper	مقاله تحقیقی	06

Total Credit Hours: 42

### SPECIALIZATION COURSES

S No	Course code	Course Title	عنوان درس	Credit Hours
1		Iqbal Studies – i	اقبال شناسی-1	03
2		Iqbal Studies – ii	اقبال شناسی-2	03
3		Modern Persian Prose	شعر فارسی معاصر	02
4		Modern Persian Poetry	شعر فارسی معاصر	02
5		Stylistics	سبک شناسی	02

Total Credit Hours: 12

### SEMESTER WISE BREAK UP OF COURSES First year

#### First Semester

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		Reading &Text Comprehension-i	خواندن و درک مفاهیم-1	03
2		Persian Grammar and Writing –i	دستور و نگارش فارسی-1	03
3		Communication Skills –i	گفت و شنود-1	03
4		English –i	انگلیسی-1	03
5		Pakistan Studies	پاکستان شناسی	02
6		Islamic Studies /Ethics	علوم اسلامی / اخلاق	02

Total Credit Hours 16

#### SECOND SEMESTER

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		Reading &Text Comprehension-ii	خواندن و درک مفاهیم-2	03
2		Persian Grammar and Writing –ii	دستور و نگارش فارسی-2	03
3		Communication Skills-ii	گفت و شنود-2	03
4		English –ii	انگلیسی-2	03
5		Mathematics- i	ریاضیات-1	03
6		Introduction to Computer	آشنایی با کامپیوتر	03

Total Credit Hours 18

Second year

THIRD SEMESTER

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		Functional Persian	فارسی کاربردی	02
2		Classical Persian Poetry -i	شعر کلاسیک فارسی-1	03
3		Classical Persian Prose -i*	نثر کلاسیک فارسی-1	03
4		English iii	انگلیسی 3	03
5		Mathematics ii	ریاضیات 2	03
6		History of Persian language	تاریخ زبان فارسی	02
7		Creative writing	انشاء	02

Total Credit Hours 18

FOURTH SEMESTER

S. No	Course code	Course Title	عنوان درس	Credit Hours
1		Text Translation -1	ترجمه متون-1	02
2		Classical Persian Poetry ii	شعر کلاسیک فارسی-2	03
3		Classical Persian Prose -ii	نثر کلاسیک فارسی-2	03
4		English- iv**	انگلیسی-4	03
5		History of Persian literature-1	تاریخ ادبیات فارسی-1	03
6		Iranology -1	ایران شناسی-1	03

Total Credit Hours 17

Third year

FIFTH SEMESTER

S.No	Course Code	Course Title	عنوان درس	Credit Hours
1.		Classical Persian Poetry - iii	شعر کلاسیک فارسی-3	03
2.		Classical Persian Prose - iii	نثر کلاسیک فارسی-3	03
3.		History of Persian Literature- ii	تاریخ ادبیات فارسی-2	03
4.		Iranology -ii	ایران شناسی-2	03
5.		Text Translation -ii	ترجمه متون-2	02
6		Mysticism	عرفان و تصوف	02

Total Credit Hours 16

\* University may recommend any other course in lieu of mathematics -ii

\*\* University has the option to recommend any other course in lieu of English - iv

### SIXTH SEMESTER

S.No	Course Code	Course Title	عنوان درس	Credit Hours
1		Classical Persian Poetry in Subcontinent	شعر کلاسیک فارسی در شبه قاره	03
2		Classical Persian Prose in Subcontinent	نثر کلاسیک فارسی در شبه قاره	03
3		History of Persian Literature-iii	تاریخ ادبیات فارسی-3	03
4		Translation and interpretership	ترجمه و ترجمانی	02
5		Persian linguistics	زبان شناسی فارسی	02
6		Iranology-iii	ایران شناسی-3	03
7		Rhetoric	بلاغت	02

Total Credit Hours **18**

Fourth year

### SEVENTH SEMESTER

S.No	Course Code	Course Title	عنوان درس	Credit Hours
1		History of Persian Literature in Subcontinent	تاریخ ادبیات فارسی در شبه قاره	03
2		Research Methodology	روش تحقیق	03
3		Modern Persian Prose	نثر فارسی معاصر	02
4		Stylistics	سبک شناسی	02
5		Iqbal Studies -1	اقبال شناسی-1	03
6		Prosody & Rhyme	عروض و قافیه	02
7		Arabic Grammar	قواعد عربی	02

Total Credit Hours **17**

### EIGHTH SEMESTER

S.No	Course Code	Course Title	عنوان درس	Credit Hours
1		Literary Criticism	نقد ادبی	03
2		Iqbal studies- ii	اقبال شناسی-2	03
3		Modern Persian Poetry	شعر فارسی معاصر	02
4		Arabic Text Comprehension	درک متون عربی	02
5		Research Paper	مقاله تحقیقی	06

Total Credit Hours: **16**  
Grand Total **136 CHS**

# ADMISSION & FEE STRUCTURE



## Program of Study

- BS : 4 Years
- Pharm-D/DPT : 5 Years

## Number of Seats Available for BS Degree Programs

- The total number of seats in each Department/Institute/Center/ in each program of study will be fifty (50) included the allocated seats under category 'B & C' respectively and (10) seats available in morning programs on self-finance basis.
  - **Category 'A'**- Local and Domicile of Balochistan
    - Open merit: Balochistan 10%
    - Open merit: Quetta District 15%
    - Open merit: Districts other than Quetta 75%
    - Personnel Serving in Balochistan – Category "B" (Non-Local & Non-Domicile) Daughter/Son/Spouse/Brother/Sister maximum 03 seats in each program of study.
  - **Category "B"** Direct dependents (son/daughter/wife/husband/sister/brother) of the Federal Government and Autonomous organizations personnel serving in Balochistan who are non-local/non-domicile of Balochistan Province.  
(Category "B" applicants will submit their application forms to the Undergraduate Studies Office (UGSO) by the due date attached with the required documents and an affidavit specimen of which is at appendix: I
  - **Category "C"** applicants applying against reserved seats will submit their application forms to the (UGSO) by the due date with the required documents and an affidavit, specimen of which as at Appendix II. However, departments of University Employees will submit their application forms. The concerned will tick Category "A" and "C"



## Reserved seats for category B&C

S.#	Categories	Procedure
1	Azad Jamu & Kashmir	Applications along with proper nomination letter from the concerned quarter to be submitted to (UGSO), UoB.
2	FATA	Applications along with proper nomination letter from the concerned quarter to be submitted to (UGSO), UoB.
3	Foreign Students	Applications to be submitted in the (UGSO), UoB, for onward transmission to the concerned quarter after admission is finalized.
4	Afghan Refugees	Applications to be processed through Ministry of Economic Affair and Statistics (Economic Affair Division) Govt. of Pakistan Islamabad.
5	N.A (Northern Area)	Applications along with proper nomination letter from the concerned quarter to be submitted to (UGSO), UoB.
6	Direct dependents of Pakistanis working abroad (Son/ Daughter /spouse / Brother/ Sister)	Application to be submitted through HEC Islamabad.
7	Direct dependents of University Teachers/ Officers/ Employees (Son. Daughter/ Spouse/ Brother/ sister)	Applications to be submitted to the (UGSO), UoB.
8	Disabled Persons (Balochistan only)	Applications along with disability certificate issued from the Balochistan Provincial Standing Medical Board Provincial Health Directorate to be submitted to (UGSO), UoB.
9	Sports Quota (Balochistan only) Seven faculties	The applications along with sports certificates will be submitted to the (UGSO), UoB in due date.

- 2% seats are allocated for all existing quarters under category B/C.
- Two (02) seats each for the dependents of University of Balochistan Teachers/Officers/Employees.

**Note:** University of Balochistan reserves the rights to decrease or increase the number of seats.

## Admission

<u>Examination</u>	<u>Weightage</u>
• Matriculation	20%
• Intermediate	50%
• Test	30%

## Admission Procedure

### Eligibility

- Candidates holding F.A/F.Sc., or its equivalent certificate/diploma from any recognized institution, with at least 45% Marks are eligible to apply for admission in all BS Programs except Pharm-D/DPT & BS(CS)/ BS(IT).
- For admission in Pharm-D/DPT candidates with at least 60% marks in F.Sc. (Pre-Medical) are eligible.
- For admission in BS(CS)/BS(IT) candidates with at least 50% marks in Intermediate are eligible.
- Admission will be allowed only to those applicants who have passed the qualifying examination at most two years prior to the year of admission i.e. Annual 2023/Annual 2022/Bi-Annual 2022. However, in the departments where the numbers of applicants are less than the number of seats available; relaxation of one more year can be given i.e. 2021.

### Ineligibility

- Applicants who do not fulfill the academic prerequisites.
- Candidates who passed the qualifying examination in Bi-Annual 2023 will not be eligible for admission this year.

### How to apply

- **Each applicant must clearly specify the category (i.e., 'A' 'B' or 'C'). The details regarding each category and its breakup is given in the prospectus.**
- Each candidate will have to generate online bank challan of Rs.3000/- (Non-refundable) from University of Balochistan website and deposit the fee through any HBL online branch.
- There are certain steps (as per given guidelines) to be followed carefully while filling the online Admission Form as there will be no change/edit option after submission of online admission form.
- Candidates seeking admission will submit the admission form in hard copy (02 Sets with all relevant documents) in their respective teaching departments/ institutes/ centers/ sub-campuses up-to **August 07, 2023** positively.
- Candidates applying for admission to the main campus under category B or C must submit their fully completed forms to the office of the Assistant Registrar (Student Affairs) by the specified due date. Similarly, candidates applying for admission to sub-campuses under categories B or C must submit their fully completed forms to the respective sub-campuses
- Candidate must enter same CNIC number while generating the online challan and application form.

**Prospectus is available on:** <http://www.uob.edu.pk>

### Submission of Online Form:

**Please visit the given link to submit the online admission form:**

[cms.uob.edu.pk/ugso/admission.html](http://cms.uob.edu.pk/ugso/admission.html)

### Important

- Admissions in all disciplines will be granted on merit basis as per existing admission policy.
- Commencement of classes in afternoon/evening/self-finance programs will be contingent upon the enrollment of at least 25 students in a class.
- Candidates who are willing to apply in BS morning/afternoon/evening should submit separate application forms for each.

- Students admitted on Self-Finance Basis will not be eligible for any financial assistance/scholarship/hostel facility.

**Documents Required for all categories (A, B, C1, C2, C3 & C4) :**

- Four latest Photographs.
- Two attested photocopies of Provisional Certificates & Transcript of Studies of the last qualifying examination.
- Two attested photocopies of Matric Certificate.
- Two attested photocopies of Local / Domicile Certificate applicants/guardian's.
- Two attested photocopies of CNIC/computerized NADRA B-Form (each) of the applicant's & their father's / guardian's CNIC photocopies. Without an applicant's CNIC or computerized NADRA B-Form, no applicant will be entertained for admission.
- Two attested photocopies of character certificate from head of the Institution last attended.
- Affidavit available in the prospectus on UGSO website is mandatory to be filled and signed by each applicant and countersigned by applicants' parent/ guardian.
- Applicants will have to bring their original documents at the time of interview; otherwise, will not be considered for the admission, applied for.

**Documents Required Categories Specific (B, C1, C2, C3 & C4)**

**Category B:**

- Non-Local/Non-Domicile of Balochistan shall submit an Affidavit (in original) duly attested by the Magistrate 1<sup>st</sup> Class and countersigned from the employer where the dependent's (i.e. father/mother/brother/sister/spouse) is serving (Specimen of Affidavit in prospectus Appendix-I).
- 2 attested copies of parent CNIC.
- 2 attested copies of service card.
- Service certificate (in original).

**Category C1:**

- Dependents of University of Balochistan Teachers/ Officers/ Employees shall submit an Affidavit (in original) duly attested by the Magistrate 1<sup>st</sup> Class and countersigned from the head of department/ institute/ centre/ section where the dependent (i.e. father/ mother/ brother/ sister/ spouse) is serving (Specimen of Affidavit in prospectus Appendix-II).
- 2 attested copies of guardian's (father/ mother/ brother/ sister/ spouse) CNIC.
- 2 attested copies of guardian's service card.

**Category C2:**

- Sports certificate(s) duly attested from the Sports Board Balochistan/Sports Board Pakistan.

**Category C3:**

- Disability certificate issued from the Balochistan Provincial Standing Medical Board Provincial Health Directorate.

**Category C4:**

- AJ&K**
  - Proper nomination letter from the concerned quarter.
- FATA**
  - Proper nomination letter from the concerned quarter.
- Northern Areas:**
  - Proper nomination letter from the concerned quarter.
- Afghan Refugees:**
  - Equivalence certificate issued by the Balochistan Board of Intermediate & Secondary Education (BBISE).
  - NOC (in original) recently issued by the Consulate General of Islamic Republic of Afghanistan.
  - 2 attested copies of POR card issued by the NADRA.

**Criteria:**

1. Admission in all the Teaching Departments shall be given as per University Policy.
2. Test/Interviews of the eligible candidates will be held in all the concerned Teaching departments/institutes/centres/sub-campuses as per schedule given below:
3. The University would conduct the UoBTS/NTS where applicable.
4. Each applicant will have to qualify the Departmental Entry Test/ UoBTS/ NTS with at least 50% marks for becoming eligible for the admission, as applied for.
5. If a candidate fails to make payments to admission dues up to the last date, his/her admission shall stand cancelled and the next on waiting list will be considered for admission. In such a case he/she cannot claim his/her admission; however, if seats were available in the concerned department, he/she will be given a chance to deposit the prescribed dues.

***For queries please feel free to visit or contact office of the Assistant Registrar (SA)***

*Address: Undergraduate Studies Offices (UGSO), Youth Development Centre (YDC),*

*University of Balochistan, Sariab Road, Quetta. Tel: UoB: 081-9211008 Ext. 1402*

*(Monday to Friday during office hours 09:00 am to 05:00 pm)*

*Web: [www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso) email: [ugso@um.uob.edu.pk](mailto:ugso@um.uob.edu.pk)*



## Attendance, Dropout

- A student will be allowed to appear in examination only if he/she has attended, not less than 75% of the lectures/seminars delivered to his/her class in each course and 75% of the practicals/laboratory demonstrations prescribed for the respective courses.
- Calculation of attendance will start from the date of commencement of classes.
- A date-wise record of the attendance of students shall be maintained by the respective teacher in each course. One week before the commencement of the final examination, the teacher of each course shall send to the Chairperson/Director/Incharge of the Department/Institute/Centre/Cmpuses a statement in duplicate giving the total number of lectures delivered (practicals conducted) by him together with the total number of lectures and practicals attended by each student.
- The period of absence in case of participation in co-curricular/sports activities outside the University of Balochistan, Quetta, with the permission of the Competent Authority may not be counted, as absence.
- Students having class attendance less than 75% in a particular course shall be awarded „F“ grade in that course and he/she shall be required to repeat the same course, if it is a compulsory course or an equivalent course in lieu thereof, if it is an optional course.
- Absence from class for two consecutive weeks or more (two weeks means six classes for a three credit hours course and four classes for a two credit hours course) without any genuine reason shall entail cancellation of admission in the course by the class teacher which would only be restored on appeal to the concerned teacher made within 05 days of the cancellation order with payment of Rs.1000/-. The class teacher will inform the Chairperson/Director/Incharge of the Department/ Institute/ Centre/ Campuses regarding cancellation and restoration of admission in the course. However, the payment of Rs.1000/- will not remove the absence of a students from the attendance sheet and it will be counted while calculating the percentage of total attendance of the student for the purpose of examination.
- Absence from a class for four consecutive or more weeks, will debar the student from examination and the course will be considered dropped. He / she will be required to repeat it.
- Students shall have to be punctual and regular to attend all lectures / seminars, laboratory periods, and fieldwork as required for each course during the semester session. A student shall be eligible to appear in the terminal examination of a course provided that he/she has attended not less than 75% (cumulative) of lectures / seminars delivered in that course. He has to complete 75% attendance in the laboratory / field work for grading of laboratory / field work course.
- The name of a student will be drop out if his monthly attendance is less than 25% by the Head of Department/Institute/Centre.

## Academic Standards

- To earn course credits, a student must obtain a minimum of 1.00 grade points in that course.
- A student must obtain a minimum CGPA of 2.0 for award of a Degree in Grade C.
- A grade 'F' will be awarded to a student in a course for not achieving the desired competence i.e. less than fifty percent marks. The student will have to reappear in all assignments, quizzes, mid-term and terminal examinations when offered subsequently. No special classes will be conducted by the Department/Institute/Centre for such students.

## The Distribution of Marks

A student shall be evaluated in each course on the basis of various components of the study including class attendance/participation, assignments, projects / lab reports, presentation, quizzes, sessional tests, mid-term, and terminal examinations according to the following weightage assigned to each category.

Type of Assessment	Courses with Lab	Courses without lab
Quizzes	05%	15%
Mid Semester Exam	20%	30%
Assignments/Reports	10%	15%
Practical	25%	-
Terminal Exam	40%	40%

## Grading Policy

- Letter grading should only be used for representing the individual courses and not report the semester GPA/CGPA and letter grad should be reflect in DMC transcript.
- The following range of grade points for each letter grade will be followed;

<u>Marks Range (in %)</u>	<u>Grade Point (Value)</u>	<u>Grade</u>
90 and above	4.00	A+
85 – 89	4.00	A
80 – 84	4.00	A-
75 – 79	3.5 – 3.9	B+
73 – 74	3.3 – 3.4	B
70 – 72	3.0 – 3.2	B-
66 – 69	2.6 – 2.9	C+
63 – 65	2.3 – 2.5	C
60 – 62	2.0 - 2.2	C-
50 – 59	1.0 -1.9	D
0 – 49*	0.00	F
Incomplete	-	I
Withdrawal	-	W

*\*fraction is to be rounded up to two decimal.*

<b>% Marks</b>	<b>Grade point Value</b>	<b>Grade</b>
<b>GRADE – A</b>		
90 and above	4.00	A+
85-89	4.00	A
80-84	4.00	A-
<b>GRADE – B</b>		
79	3.9	B+
78	3.8	B+
77	3.7	B+
76	3.6	B+
75	3.5	B+
74	3.4	B
73	3.3	B
72	3.2	B-
71	3.1	B-
70	3.0	B-
<b>GRADE – C</b>		
69	2.9	C+
68	2.8	C+
67	2.7	C+
66	2.6	C+
65	2.5	C
64	2.4	C
63	2.3	C
62	2.2	C-
61	2.1	C-

60	2.0	C-
<b>GRADE –D</b>		
59	1.9	D
58	1.8	D
57	1.7	D
56	1.6	D
55	1.5	D
54	1.4	D
53	1.3	D
52	1.2	D
51	1.1	D
50	1.0	D
<b>GRADE – F</b>		
0-49		<b>F</b>
Withdrawn course		<b>W</b>
Incomplete course		<b>I</b>

- **Minimum CGPA requirement for 04/5 years degree program**

Semester	GPA/CGPA Required
1 <sup>st</sup> Semester	1.00 GPA
2 <sup>nd</sup> Semester	1.50 CGPA
3 <sup>rd</sup> Semester	1.75 CGPA
4 <sup>th</sup> Semester	2.00 CGPA
5 <sup>th</sup> Semester	2.00 CGPA
6 <sup>th</sup> Semester	2.00 CGPA
7 <sup>th</sup> Semester	2.00 CGPA
8 <sup>th</sup> Semester	2.00 CGPA
9 <sup>th</sup> Semester	2.00 CGPA
10 <sup>th</sup> Semester	2.00 CGPA

ails to pass certain courses and yet manage to maintain his / her GPA equal to or above minimum requirement, then he / she will be allowed to repeat and clear the course(s) before the degree is awarded to him / her.

- There shall be no probation in semester system at any stage.
- GPA/CGPA is computed at the end of each semester.
- A student will not be allowed to sit for terminal examination of any semester unless he has no outstanding dues for the said semester. Accounts Branch of the University will issue a clearance certificate in this regard.

## Students Code of Conduct-Discipline

- No Student shall:
  - Do, or propagate, anything repugnant to Islam within and outside the precincts of the University/College.
  - Say or do anything which might adversely affect the honour and prestige of Pakistan, the University teachers and his/her educational institution.
  - Smoke in the classroom, laboratory, workshop, library and examination hall.
  - Form or associate him / herself with an organization / society / club or any other body promoting inciting parochial / linguistic / regional feelings.
  - Organize or hold any function in the University except in accordance with the prescribed rules/regulations.
  - Collect money; receive donations or pecuniary assistance for or on behalf of the University or any University Organization except with the written permission of the Vice Chancellor.
  - Stage, incite or participate in a walkout, strike or any other form of agitation which might create or is likely to create law and order problem for the University and affect, or is likely to affect, its smooth functioning.
  - Indulge in immoral activities, use indecent language, wear immodest dress, make indecent remarks, jokes or gestures or behave in an improper manner.
  - Cause disturbance to others.
  - Disturb the peace and tranquility of the Institution.
  - Keep or carry weapons, narcotics, immoral or subversive literature and use non-salutary or abusive language or resort to violence against fellow student or employee of the University.
- **Violation of any of the above will be considered misconduct and liable to disciplinary action.**
- **Disciplinary Action**
  - Disciplinary action by the Principal of a Constituent / Affiliated College/Chairman of the University Teaching Department/ Director of an Institute/Center and the Discipline Committee against the student(s) may be taken in one or more of the following forms depending upon the severity of the offence:
    - A student may be fined.
    - A student may be placed on probation for a fixed period. If during the period of probation he/she fails to improve his/her conduct, he/she may be rusticated or expelled.
    - A student may be debarred from a College / Institute / Center / Department for a period not exceeding two weeks at a time.
    - A student may be rusticated / expelled or asked to withdraw from the College/Institute/Center/Department in the manner mentioned in the regulations relating to rustication, expulsion and withdrawal.

## Regulations Relating to Rustication, Expulsion and Withdrawal

- Rustication, whenever imposed on a student, shall always mean the loss of one academic year so far as his/her Examinations are concerned. The period of absence will, however, depend upon the time of the year when the penalty is imposed.
- The Vice Chancellor may at his discretion, permit to rejoin the class in the same College/Department/Institute/Center at the beginning of the next academic year.
- A rusticated student once re-admitted and again found creating disturbance/ indiscipline, etc. will be expelled from the University.
- A student expelled from the University shall not be re-admitted into the same University without the approval of the Syndicate. Re-admission shall in no case be granted before the expiry of one academic year from the date of expulsion.

## Code of Honor

Being a student in the University is a matter of privilege, prestige and honor. All students are expected to conduct themselves with honor and dignity. The following Code of Honor enunciating the basic principles of conduct expected of a student should be propagated by the Principals of the Constituent Colleges and the Chairman/Directors/Incharges of the University Teaching Departments / Institutes / Centers/ Campuses:

- All Students must have faith in and respect for the ideology of Pakistan.
- All Students must in matters of religion respect the convictions of others.
- Every student is expected to:
  - Be Loyal to Pakistan;

- Obey the Law of the land as well as the rules & regulations of the University;
- Maintain law and order as well as the dignity and prestige of the University;
- Protect the property of the University;
- Show due respect to elders, teachers and outside visitors;
- Work hard and co-operate in completing the courses of study within the prescribed period.

## Facilities

- **Central Library** plays a vital role in the academic life of a University. The fundamental role of the library being educational, it should not be considered as mere storehouse of books, but as a dynamic instrument of education. The Central Library of the University is organized on these lines. The library collections support not only every course in the curriculum but also include selected stock of general material of books, periodicals, publications, newspapers etc. The total number of books in the Central Library is 150,000. The whole library system is being computerized and online library service will be available through a network after the completion of the computerization process. A large number of International Research Journals are also available on Digital Library provided by Higher Education Commission and research articles of interest can also be downloaded.
- **Digital Library:** The University of Balochistan has established a digital library to provide researchers, faculty members and students of the University access to the International scholarly literature. The facility is based on electronic (online) delivery system. The Digital Library also provides access to high quality peer-reviewed journals database and articles on a wide range of discipline. The facility could be availed by the faculty members and students of the University on provision of his/her identification card. The facility is restricted to online journals for the University of Balochistan through University of Balochistan website i.e. [www.uob.edu.pk](http://www.uob.edu.pk).
- The internet connectivity and link to Digital Library provided by the Information Technology Directorate has access to over 5,000 books and 25,000 online journals. For maximum utilization of Digital Libraries all over the Worlds, the Directorate of Information Technology has established a Computer Lab in the Central Library and ensured its operation during University working hours, so that the students may benefit from it. This all has become possible due to the high speed connectivity of PERN (Pakistan Educational Research Network). The number of Computer Units in the digital library has been increased to 80.
- **Computer Laboratories:** Computers have been provided to the Departmental Computer Laboratories. This service is provided to the Central Library and to the Academic Departments/Institutes/Centers and available over long hours. In the Central Labs, PCs are provided, offering a range of standard office software for document creation and presentations. Specialist provision is available to support research and advanced study within the University. Computers in all departments /institutes/Centers/Sections are connected to the University's main server through Local Area Network and Wide Area Network (LAN/WAN) giving access via the internet to the major information, research and communications networks worldwide.
- **Video Conference Center:** The University of Balochistan with the help of Higher Education Commission has established a Video Conferencing Center. The main objective of this Video Conference is to enhance student-teacher interaction through distance learning at global-level, bridge the gap of good faculty, meet the shortage of faculty members at the University and ultimately to uplift the standard of education in Balochistan.
- **Hostels:** There are 16 double story blocks of hostels on the Campus for male students with a total capacity for 1300 residents, for female students and Lady teachers, there is a hostel block with 64 rooms to accommodate 210 inmates. The students hostels have all the facilities e.g. Furniture, Mess, Common Room, T.V Lounge, Telephone etc. Hostel administration consists of Senior Provos, Provosts, Senior Warden and one Resident Warden for each hostel.
- **Medical Center / Health Care:** A Medical Centre for meeting the needs of the community is functioning. It is reasonably equipped, looked after by two doctors (Male and Female) and assisted by qualified staff at the Campus. Complicated cases are referred to the specialists in the Civil Hospital, B.M.C. Complex, C.M.H. and Children Hospital. Ambulance service is also available in case of emergency.
- **Bank and Post Office:** A branch of Habib Bank and Post Office are available within the premises of the University.

- **Transport:** The University of Balochistan operates a fleet of buses which provide Pick and Drop facility to the students. Transport facility is also available for social-work, field work and field visits of students of Geology, Botany, Zoology and other departments on need basis.
- Study Tour Students Study Tours are considered educational as well as part of the University's co-curricular activities. Each student may participate at least once in a study tour arranged by the concerned Teaching Department during his/her stay at the University. Study tours are partly financed by the student's and supplement- ed by the University, subject to availability of funds.
- Co-Curricular Activities
  - Golden Week.
    - The University places due emphasis on co-curricular activities to ensure overall grooming of the personality of its students. Co-curricular activities form an integral part of the University's endeavors to provide its students an opportunity to build up skills and gain experience in so many fields.
    - By encouraging its students to participate in co-curricular activities the University makes a conscious effort to build and strengthen their confidence required to meet the challenges of practical life effectively.
- Dramatics, Debate competitions, Art exhibitions, Poetry writing Competitions, Quiz Competitions, Dialogues and Essay Writing Competitions are some of the co-curricular activities that are managed by the University during the Golden Week.
- Sports Week Special endeavors are made to organize games and sports on the campus. There are well established play grounds for football, cricket, basketball, volleyball and Tennis. The students have been participating in the National, Provincial and Inter-University tournaments and have won many prizes. The University organizes regular activities in a number of sports and games. It also arranges Inter-University sports competitions in Athletics, Football, Hockey, Volley Ball, Cricket, Badminton, Table Tennis, Tug of War, Basket Ball etc. Separate sports facilities exist for girls. The sports activities are looked after by the Director of Sports. A National level Gymnasium has been built that provides indoor sports activities.
- Audio Visual Aids Audio-visual aids are used in the class rooms, seminars and conferences to facilitate the students learning process.
- Tutorial and Guidance Tutorial and Guidance service is available to the University students. The Tutors Facilitates the learning process of the students and enable them to make positive guidance and counseling to the students in the establishment of their educational and professional goals. During the course of studies, the Tutors keep in touch with the progress and development of the students and help to solve some of the individual psychosocial problems which are likely to obstruct their academic performance.
- **Career Counseling Cell:** A career counseling cell exists to guide the students for their future career/jobs. It helps the students to establish and achieve their vocational goals and solve some of their individual queries. It also arranges lectures/presentations by future employers.
- **Quality Assurance & Accreditation Directorate:**
  - Developing a viable and sustainable mechanism of Quality Assurance in Balochistan University in order to meet the rising challenges of transforming the province into a knowledge economy.
  - To execute the program on quality assurance at the University of Balochistan through internal assessment.
- Student Financial Aid Office Responsible for awarding scholarships under HEC's different schemes annually.
- Office of Research Innovation & Commercialization: Innovations, Summits, Research Workshops, Seminars, Conferences.



Category B

**AFFIDAVIT SPECIMEN**

(Balochistan Non-local / Non-Domiciled Applicants who are  
Direct dependents of personnel serving in Balochistan  
(Son/Daughter, Brother/Sister, Husband/Wife)

(To be submitted on judicial stamp paper along with attested Photostate/ copies of N.I.C. of  
the applicant and the deponent)

Applicant Name: \_\_\_\_\_

Father Name: \_\_\_\_\_

C.N.I.C. No of Applicant \_\_\_\_\_

Postal Address: \_\_\_\_\_

\_\_\_\_\_

The deponent declares on oath / solemn affirmation that the  
Applicant \_\_\_\_\_ S/o/D/o \_\_\_\_\_  
Seeking admission in the \_\_\_\_\_ Department  
of University of Balochistan, Quetta is my:

Son / Daughter: (b) Real Brother / Real Sister (c) Husband / Wife

The Deponent swears / solemnly affirms that the above said declaration submitted is true  
and that it conceals nothing and that no part of it is false.

	Deponent.
Name.	_____
Designation	_____
C.N.I.C No.	_____

**CERTIFICATION**

It is certified that Mr. Miss/Mrs. \_\_\_\_\_ S/D/O \_\_\_\_\_ is  
An employee of \_\_\_\_\_ Designation \_\_\_\_\_  
and at present serving in the province of Balochistan from \_\_\_\_\_

**Attested by**  
**Magistrate/Oath Commissioner**

**Signature**  
**Head of the Organization**  
**(Name & Stamp)**  
Name: \_\_\_\_\_  
Designation: \_\_\_\_\_

Category C

**AFFIDAVIT SPECIMEN**

(To be submitted by the University Teacher / Staff/ Employee on  
Judicial stamp paper with the Photostat copies of the  
CNIC of the applicant and the deponent)

Applicant Name: \_\_\_\_\_

Father Name: \_\_\_\_\_

C.N.I.C. No of Applicant \_\_\_\_\_

Postal Address: \_\_\_\_\_

The deponent declares on oath / solemn affirmation that the applicant \_\_\_\_\_  
Seeking admission in the Department of \_\_\_\_\_ University of Balochistan, Quetta is my:  
Son / Daughter (b) Real Brother / Real Sister (c) Husband / Wife  
And that it conceals nothing and that no part of it is false.

Deponent.

Name. \_\_\_\_\_

Designation \_\_\_\_\_

C.N.I.C No. \_\_\_\_\_

**CERTIFICATION**

It is certified that Mr. Miss/Mrs. \_\_\_\_\_ S/D/O \_\_\_\_\_ is  
An employee of \_\_\_\_\_ Designation \_\_\_\_\_ and  
at present serving in the deptt/ Section \_\_\_\_\_ Govt: of Balochistan / Pakistan.

**Oath Commissioner / Magistrate**

**Signature  
Head of Deptt  
(Name & Stamp)**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

**AFFIDAVIT SPECIMEN**

**UNDERTAKING BY THE STUDENT**

(To be submitted on the judicial stamp paper)  
(As per order of Supreme Court of Pakistan dated 1<sup>st</sup> July 1992)

I am seeking admission in the university of Balochistan, Quetta do hereby undertake that while studying in the University I will not indulge in any sort of politics. And if ever during my studentship I found indulging in politics, I may be expelled from the University without any notice.

**Signature of applicant**

**UNDERTAKING BY THE STUDENT**

(This undertaking is also to be submitted on judicial stamp paper separately)  
(As per Order of Supreme Court of Pakistan dated 1<sup>st</sup> July, 1992)

I \_\_\_\_\_ Parent/Guardian of \_\_\_\_\_ who is seeking admission in the university of Balochistan, Quetta do hereby undertake that while studying in the university he/she shall not indulge in any sort of politics. And if ever during the studentship is found indulging in politics, he/she can be expelled from the University without any notice.

Date: \_\_\_\_\_

**Signature of Parent / Guardian**

**(UNDERTAKING BY THE CANDIDATE)**

(To be signed by the student at the time of admission in the Educational Institutions) I Solemnly Undertake that:

- I:
- i. I do not hold Master's Degree in my Subject
  - ii. I am not enrolled at present in any of the University teaching Department / institute / Centers / affiliated College.
- II:
- i. I shall make one person literate so that he she will be able able to:
  - i. Write his / her name.
  - ii. Make simple calculations.
  - iii. Read and write a simple statement

OR

Read and write Qurani Quaida e.g. "Yassarnal Quran"

**Signature of the Candidate**

**N.B FOR FURTHER INSTRUCTIONS PLEASE SEE EXTRACTS OF ADMISSION RULES.**

## Oath Certificate

### **I solemnly undertake to abide by the following Code of Conduct:**

- That during my stay in the University, I shall diligently apply myself to acquire and develop the knowledge, skills and attitudes necessary for the practice and advancement of the field of study in which I will be enrolled.
- I shall participate fully and whole-heartedly in sports, games and other co-curricular activities.
- I shall have minimum attendance of 75% in order to qualify for the examinations.
- That I shall maintain identity as a student of the university by wearing gown or badge as may be prescribed by the university.
- That I shall never use violence or threat of violence or other sort of pressures in resolving any dispute. I shall only use logic, persuasion, petition, appeal revision, review and other legal and peaceful methods for the settlement of differences and disputes.
- That in any conflict or disputes if any with fellow students or teachers or employees of the University. I shall accept the judgment of the authorities constituted by the University.
- That I accept all provision of the statutes, regulations and rules of the University or the statutes, regulations and rules as may hereafter be framed by the appropriate authorities of the university.
- I will deposit my admission fee after declaration of admission, if I fail my admission has been cancelled will not claim any right of it.

### **Further I undertake to refrain from:**

- Doing anything which may cause insult to head of institution, teachers, officers and other staff of the institution.
- Holding a gathering, or meeting, or taking out processions in any part of the university campus other than areas specified for the purpose, and with due permission.
- Indulging in any kind of unfair means, malpractice in examinations and coercion by any means.
- Allowing or abetting the entry into the premises of the University of Expelled Students, antisocial elements or other groups whose presence on the campus could cause conflict amongst the students.
- Bringing into the campus consuming or encouraging consumption of alcoholic products, drugs and narcotics, and indulging in act of moral turpitude.
- Bringing or keeping any type of weapons within the University premises.
- Using or occupying any room or part of any building of the institution without lawful authority.
- Damaging any University property including buildings, equipment, vehicles etc.in any manner.
- From all such acts and deeds as might bring disgrace and bad name to the University.

**Countersigned by parents / Guardians)**

**(Signature of the Candidate)**

**Fee Structure will be available soon.**

