



**UNIVERSITY
OF GWADAR**

2021-22
PROSPECTUS
Bachelor's Degree Programs

Gwadar: A Picturesque City

Gwadar is a breathtakingly beautiful port city on the southwestern coast of Balochistan, with its astonishing location and significant strategic value. The city is located on the shores of the Arabian Sea opposite Oman. Gwadar was an overseas possession of Oman from 1783 to 1958. The sister port city of Chabahar in Iran's Sistan and Balochistan Province is about 170 km (110 mi) to the west of Gwadar. The word "Gwadar" is a combination of two Balochi words gwad meaning wind and dar meaning gateway or door, thus Gwadar means "the gate of wind". The population of the city has risen to approximately 85,000 as of 2014. Currently in 2020 and it is estimated to be 138,000. The population of Gwadar is predominantly Baloch. In Gwadar city the main spoken language is Balochi since it is the language of majority of population and true inhabitants of this land. However, there is a fair number of Urdu, Bengali, Brahvi, Sindhi, as well as Pashto, etc. language speaking people residing in this region.

Gwadar with its own Baloch population, own culture and tradition has unique diversity and beauty at its core. The Arabic influence upon Gwadar is strong as a consequence of the Omani era and its close proximity to the Arabian Peninsula. Remnants of Oman era buildings can also be found in the city. Gwadar became part of the sultanate of Muscat and Oman in 1797, and it was not until 1958 that the town and adjoining hinterland were exchanged from Oman to Pakistan.

The main source of bread and butter of this region's people is fishing and most of the people are fishermen thus there are certain numbers of fish-processing factories. Apart from this, there are shops, private and government offices, markets and different small and mid-level firms and companies are being run in the city. The area's potential to be a major deep-water port remained untapped under successive Pakistani governments until 2001, when construction on the first phase of Gwadar Port was initiated.

In April 2015, Pakistan and China announced their desire to build the \$46 billion China-Pakistan Economic Corridor (CPEC), which is part of China's ambitious One Belt, One Road initiative. Gwadar plays an important role in the China-Pakistan Economic Corridor (CPEC), and it is also envisioned as the connection between the One Belt, One Road and Maritime Silk Road projects. As part of the China-Pakistan Economic Corridor (CPEC), \$1.153 billion in infrastructure projects would be invested in the city, with the goal of connecting northern Pakistan and western China via the deep-water seaport.



*Omani Fort Gwadar (19th Century)

Contents

Welcome to University of Gwadar

- 04 Vision and Mission
- 05 Chancellor Message
- 06 Chief Minister Message
- 07 Vice Chancellor Message
- 08-11 University Statutory Bodies

Campus Life

- 13 Genesis
- 14 Aims and Objectives
- 15 Administration
- 16-19 Facilities

Academics

- 21 Introduction
- 22 Academic Calender
- 23-25 Examinations

Faculty of Management Sciences, Commerce And Social Sciences

- 28-43 Department of Commerce
- 44-59 Department of Education
- 60-77 Department of Managment
Sciences

Faculty of Sciences, Engineering and Technology

- 80-107 Department of Computer Science

General Information

- 108 Office of the Student Affairs
- 109 Quality Enhancement Cell
- 110-111 Office of the ORIC
- 112 Location



UNIVERSITY OF GWADAR

Vision

Our vision is to be the institute of choice for higher learning and to be a melting pot for a distinctive educational experience that combines traditional with contemporary and ensures access to quality education for the farthest reaches of the country with a state-of-the-art education system.

Mission

The mission of the University of Gwader (UG) is to be the leading university in the country and excel as a one-stop repository of research and development by distinguishing itself through innovation in modern pedagogy and the provision of world-class education. To be the first university in Balochistan that reflects an international range in its courses and program design.



*Sahain Padag, Pishukan Gwadar



It is encouraging that the recently established University of Gwadar has been turning into a change agent in the field of higher education in the Mekran region in general and in the port city of Gwadar in particular. It is hoped that Gwadar University will open new educational vistas for the young blood of Mekran region, as well as equip the students from across the province and country at large. The students of University of Gwadar can effectively contribute towards the on-going leading projects of China Pakistan Economic Corridor (CPEC) at Gwadar for boasting of economic activities.

The establishment of the University of Gwadar owes to consolidated efforts of the people in the region for changing the dreams into reality. This also indicates of their commitment to the cause of education and their immense confidence in the potential of institutes of higher learning as catalysts for the lasting growth in the key indicators of development. Furthermore, the strategic location of the University of Gwadar makes it an ideal hub of socioeconomic uplift of the entire province of Balochistan.

Syed Zahoor Ahmed Agha

Governor Balochistan & Chancellor University of Gwadar



It gives me pleasure to say that University of Gwadar, a long-standing desire of the people of Gwadar has formally been established. Emerging of newly established University of Gwadar is a new and great opportunity with potential for the socio-economic growth in the region. God has bestowed Balochistan a very important geographical and geostrategic location. This peculiarity has increased its importance at national and international level for many purposes.

It is the priority of my government to facilitate the onset of an educational revolution in the province that will bring a meaningful change in the lives of people of the area. My government is always committed to extend full cooperation in promotion and improvement of higher education in the province. The provincial

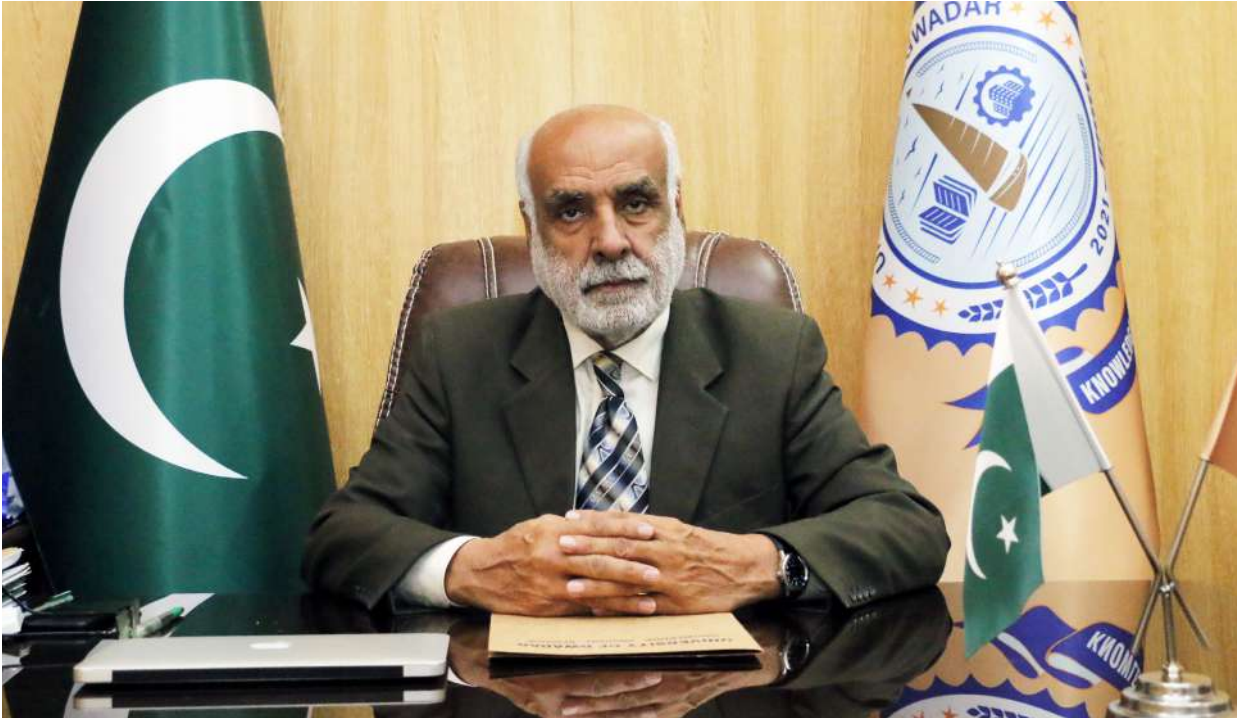
government is positively admitted to enhancing more and more facilities in higher education institution. We are trying our level best to facilitate utmost universities of the province enabling them to bring at par with universities of the world.

I hope, the graduated students from this newly established university, will be well-equipped with their distinctive field of expertise to face every difficult and challenging situation of the beloved country by responding them with full of patriotic and national emotions and sacrifice. They will be enlightened and responsible to face challenging situations not only in Mekran but also throughout the country at large. Being one of the General Universities in the province of Balochistan, University of Gwadar will have to move ahead steadfastly to introduce a wide array of academic disciplines that cater to the unique talents of rapidly growing human resource in the country.

I am confident that the dedication of experienced Vice Chancellor University of Gwadar Prof. Dr. Abdul Razzaq Sabir (TI) has solid commitment with his dedicated team will explore uncharted ground for the development of the university and making a point of adhering to the highest standards of academic success. I also would like to wish best of luck to the students of University of Gwadar for their future endeavors and would like to see them at the forefronts of making significant contribution for the province and country.

Mir Abdul Qaddus Bezanjo

Chief Minister Balochistan



Thank you for choosing the University of Gwadar for your higher studies. In fact, in the modern era advanced knowledge is the most important contributor to professional and economic development. The University of Turbat was established through a charter issued by the Governor Balochistan on May 28th, 2012. UoT is the second general highest seat of learning in the public sector in Balochistan having noble task to provide higher education to the people of Mekran Division which is one-fifth of the entire area of the province.

The people of Gwadar are keen to achieve higher education; in the past, to seek higher education at their doorsteps has remained a dream of the people of Gwadar. The dream by the people of Gwadar to acquire higher education at their door steps was converted into veracity when University of Gwadar established. The University of Gwadar at Gwadar is in its preliminary phase of establishment

Being the first and founder Vice Chancellor of University of Gwadar I welcome the students from Gwadar and neighboring districts with the expectations that their stay would be worthwhile for the region and their own future career.

Education of the modern times hinges around creativity, skill-development and innovation. It is need of the hour that the academic degrees should be supplemented with the value addition of innovative approach, creative mindset and practical knowledge. This purpose can only be achieved when a university applies unconventional grounds and its students also accept them with desire. I desire to focus to initiate and flourish such academic atmosphere and culture at newly established University of Gwadar at Gwadar to make this University a center of excellence in teaching, research and innovation, and its services at local, national and international levels.

It is pertinent to mention here that University of Gwadar is among the newly established universities in the country establishing trends in online instructions. The efforts of all administrative staff, Heads of Departments, faculty members and students e are hereby acknowledged for taking keen interest to bring University of Gwadar in the leading universities of the Country very soon Insha'Allah.

Prof. Dr. Abdul Razaq Sabir (TI)
Vice Chancellor

Senate

Syed Zahoor Ahmed Agha (Chairperson)
Chancellor University of Gwadar
Governor Balochistan

Prof. Dr. Abdul Razzaq Sabir (Member)
Vice Chancellor University of Gwadar

Mr. Bashir Ahmed Bangulzai (Member)
Higher Education & Colleges Dept.
Govt. of Balochistan

Mr. Abdul Rehman Buzdar Secretary (Member)
Finance Department
Govt. of Balochistan

Mr. Abdul Nasir Dotani (Member)
Principal Secretary to Governor Balochistan/
Chancellor University of Gwadar

Mr. Ghulam Ali Baloch (Member)
Secretary Communication & Works
Govt. of Balochistan

Prof. Dr. Gul Hasan Baloch (Member)
Dean Faculty of Law,
University of Turbat

Prof. Dr. Maqsood Ahmed (Member)
Vice Chancellor
University of Loralai

Engr. Prof. Dr. Mushtaq Ahmed Shah
(Member)
Pro Vice Chancellor
Mir Chakar Khan Rind University

Prof. Dr. Abdul Saboor (Member)
Dean Faculty of Social Sciences
University of Turbat

Ms. Sabeen Baloch (Member)
Principal
Govt. Girls Degree College Gwadar

Mr. Muhammad Akram (Member)
Lecturer Department of Computer Science
University of Gwadar

Mr. Muktar Bashir (Member)
Lecturer Department of Education
University of Gwadar

Ms. Sadia Naseer (Member)
Lecturer Department of Education
University of Gwadar

HEC Representative (Member)
Higher Education Commission Pakistan

Mr. Dolat Khan (Secretary)
Registrar
University of Gwadar



Syndicate

Pro. Dr. Abdul Razzaq Sabir (TI)

Vice Chancellor
University of Gwadar

Chairperson

Dean

Faculty of Sciences, Engineering and Technology
University of Gwadar

Member

Dean

Faculty of Mmanagement sciences, Commerce and Social Science
University of Gwadar

Member

Mr. Muhammad Aslam Bhotani

Member of National Assembly

Member

Mr. Dostain Khan Jamaldini

Secretary Forest
Govt. of Balochistan

Member

Ms. Shah Naz Noor

Deputy Director QEC
University of Gwadar

Member

Treasurer/Director Finance

University of Gwadar

Member

Mr. Mujahid Hussain

Deputy Controller of Examination,
University of Gwadar

Member

Mr. Dolat Khan

Registrar
University of Gwadar

Member/Secretary



Finance and Planning Committee

Prof. Dr. Abdul Razzaq Sabir (TI) Vice Chancellor University of Gwadar	Chairman
Ms. Sabeen Baloch Principal Govt. Girls Degree College Gwadar	Member
Mr. Dostain Khan Jamaldini Member Syndicate of University of Gwadar	Member
Mr. Saghir Naseem Department of Management Sciences University of Gwadar	Member
Mr. Zain ul Abideen Department of Commerce University of Gwadar	Member
Additional Secretary (Development) Higher Education Department Govt. of Balochistan	Member
Additional Secretary (Budget) Finance Department Govt. of Balochistan	Member
Director Finance/ Treasurer University of Gwadar	Member/Secretary
Mr. Mujahid Hussain Department of Commerce University of Gwadar	Member
Mr. Dolat Khan Registrar University of Gwadar	Member by invitation
Ms. Shah Naz Noor Deputy Director QEC University of Gwadar	Member non-voting



Academic Council

Prof. Dr. Abdul Razzaq Sabir (TI) Vice Chancellor	Chairman
Dean Management Sciences, Commerce and Social Sciences	Member
Dean Faculty of Sciences, Engineering & Technology	Member
Mr. Mujahid Hussain Chairperson (Acting) Department of Commerce	Member
Mr. Muhammad Akram Chairperson (Acting) Department of Computer Science	Member
Mr. Mukhtar Bashir Chairperson (Acting) Department of Education	Member
Mr. Saghir Naseem Chairperson (Acting) Department of Management Sciences	Member
Ms. Haim Gul Lecturer/representative Department of Computer Science	Member
Ms. Sadia Naseer Lecturer/representative Department of Education	Member
Mr. Ubaid Ali Lecturer/representative Department of Management Sciences	Member
Mr. Zain ul Abiden Lecturer/representative Department of Commerce	Member
Five Professors University of Gwadar	Member
Mr. Dolat Khan Registrar University of Gwadar	Member/Secretary
Mr. Mujahid Hussain Deputy Controller Examinations	Member
Mr. Ghulam Sarwar Incharge Library	Member
Ms. Shah Naz Noor Deputy Director Quality Enhancement Cell	Member
Director Finance/Treasurer University of Gwadar	Member



Campus Life

UNIVERSITY OF GWADAR PROSPECTUS 2021-22

Establishment of University of Gwadar

The University of Gwadar was formally operationalized and started functioning as a full-fledged autonomous university as University of Gwadar soon after appointing a Vice Chancellor for University of Gwadar by Governor Balochistan on 25th October, 2021. Earlier it remained a Sub Campus of University of Turbat from September, 2016 to October, 2021 and then transformed into a full-fledged university as University of Gwadar on 25th October, 2021.

The Honorable Governor of Balochistan appointed Prof. Dr. Abdul Razzaq Sabir as the first Vice Chancellor of University of Gwadar on 25th October, 2021. The first Vice Chancellor of University of Gwadar assumed the charge on Friday 29th October, 2021. The University of Gwadar (formerly known as UoT's Gwadar Campus) started its academic activities from January 2017 in a portion of the building of Govt. Boys Degree College Gwadar. The University offers four BS programs in the fields of Management Sciences (BBA), Computer Science (BSIT), Education (B.Ed. Hons) and Commerce (BS Commerce).

Background

After thorough deliberation and approval of the recommendations towards establishment of a Sub Campus of University of Turbat (UoT) at Gwadar from different meetings and statutory bodies, the proposal was finally presented in the UoT's apex statutory body (the Senate) during its first meeting chaired by the Honorable Governor Balochistan/ Chancellor PSUs, held on March 30th, 2016 at University's Public Library at Turbat.

In pursuance of principle approval by the Honorable Governor Balochistan, the Higher Education Commission (HEC) of Pakistan issued a notification on July 4th, 2016 to set up a Sub Campus of University of Turbat at CPEC central city Gwadar.

Establishment of UoT's Gwadar Campus

The Gwadar Campus of University of Turbat was established during September 2016, under the project "Establishment of Sub Campuses of Public Sector Universities at

District Level Phase-I" initiated by HEC with a vision that the same campus will be upgraded in to a full-fledged university, as "University of Gwadar" of international standard in the near future. And now the same campus has been upgraded as University of Gwadar in October, 2021.

Existing Enrollment and Faculty

The first admissions in four BS Programs were announced on August 31st, 2016 while applications for the position of Lecturer were invited on October 18th, 2016. The number of regular faculty members is 15 while 28 are providing services as Visiting Faculty. At present around 400 students are enrolled in the University.

Recognition of Campus by HEC

The HEC accorded formal recognition of Sub Campus of University of Turbat at Gwadar in September 2018. Here it's worth mentioning that among all sub-campuses (09) of different universities were set up in Balochistan under this project by the HEC; the UoT's Gwadar Campus was the first one which was issued NOC by the HEC and included it in the list of recognized Sub Campuses of Public Sector Universities of HEC.



The primary objective of the university is to give students with high-quality, comprehensive educational and training possibilities that are adaptable to their changing requirements. The university's academic programs aim to provide students with the skills they'll need to succeed in a quickly evolving world and prepare them with the challenges of the 21st century. To reach the aim, the Institute works to produce individuals with a solid foundation in education and research, as well as the capacity and vision to lead the way.

The university's environment and infrastructure support academics and students in reaching their full potential for scholarship, creative work, professional growth, and service. Among order to accomplish its objective, the University of Gwadar cultivates a sense of responsibility in its students.



OFFICE OF THE REGISTRAR



Mr. Dolat Khan
Registrar

Registrar Office Team

- **Mr. Abdul Majid**
Assistant Director Admin
- **Mr. Dur Jan**
Office Assistant

The Registrar's Office oversees official student academic records and is accountable for their accuracy, integrity, and security. Students, faculty, staff, and other stakeholders can get academic help and information from it. The Office of the Registrar is the primary service provider within the University's offices. It is the facilitator and custodian of all academic, statutory, and related matters at the University. In collaboration with other departments, we develop, implement, support, and enforce academic policies pertaining to registration services, enrollment and degree verification, class scheduling, grade processing, managing degree audit, processing degree applications, verifying student enrollment status to lenders, and coordinating/facilitating the University's campus-wide registration system.

OFFICE OF THE TREASURER

Director of Finance
University of
Gwadar

Director Finance

Tresurer Office Team

- **Mr. Rehmat Ullah**
Assistant Director Finance
- **Mr. Muhammad Fahim**
Office Assistant

The Treasurer's office manages the assets, liabilities, receipts, expenditures, funds, and investments of the University and prepare the annual and revised budget estimates of the University and present them to the Syndicate or a committee thereof for approval and incorporation in the budget to be presented to the Senate. The office will ensure that the funds of the University are expended on the purposes for which they are provided and have the accounts of the University audited annually to be available for submission to the Senate within six months of the close of the financial year.

Student Accommodation

University of Gwadar has students from all over Makran who are enrolled in different programs. Some of the students are not resident of Gwadar City. For them, University of Gwadar has hostels for boys and girls with all basic needs and comfort in the campus. Each hostel has its own working staff and high-speed internet which is partially supported by the University. There are security guards deployed at each hostel, and a female provost for the girl's hostel.



Seminar Hall

A seminar hall is also situated in the main campus for conducting seminars, exhibitions, lecture sessions and other events. More than 100 participants can be seated in the seminar hall.



Cafeteria

The University of Gwadar has a well-furnished and a self-service cafeteria serving delicious fast food and snacks for campus students and faculty members. The cafeteria has seating for more than 30 students at a time with separate section for male and female students.



Financial Aid & Scholarships

The University of Gwadar provides financial assistance as helping hand to the students and the parents at the time of their financial difficulties. The University of Gwadar has a dedicated financial aid team to evaluate the financial assistance cases. The team process the cases from need base to merit base scholarships for outstanding individuals.

Transport Services

The University of Gwadar (UG) has its own large fleet of buses, minibuses and vans that provide pick and drop facility to its students around the city. The University also provides van services to its staff & faculty members. The University also provides transport facility to its students for field work and annual picnics once a year to each department on need basis. A detailed transport plan along with specified routes can be obtained from the transport office of UG. Transport facilities are also available to the adjacent cities of Gwadar.



Study and Exposure Tour

The university organises study and exposure tours to other institutes, industries, and tourist destinations throughout the country. Students are encouraged to participate in intra-university competitions and to gain experience by visiting other universities. During these tours, students are encouraged to develop interpersonal skills with their classmates through shared learning.



IT Section

Since the campus's affiliation with the University of Turbat in 2017, the IT Section has been in operation. In today's world, the information technology department is the backbone of any institute. IT section working under supervision of the Computer Science Department. The section established and maintaining two computer laboratories:

General Lab

The lab is in use of different department and students for general purpose use. With thirty Core i7 PC's the lab connected with PERN.

System Lab

Senior students use the lab for their final year project/thesis. The lab is equipped with thirty Core i7 PCs, Projector, Interactive board and video-audio system. The System Lab was designed specifically for senior students working on their final year project or research thesis.

Pakistan Educational Research Network (PERN) is a network for educational and research purposes that is overseen by the Higher Education Commission (HEC). Since 2019, the Campus has been linked to the PERN network. The IT Section is in charge of distributing and maintaining the PERN link on campus and in the hostel.

Sports Facilities

We are certain that a healthy body is necessary for a healthy mind. In this regard, the UG has invested in purpose-built sports and recreational facilities which include spaces for table tennis, cricket, and football. A football field is also being developed for students. Sports at the University are managed by a dedicated department of sports.



Central Library

University of Gwadar has a central library that is open to all students and faculty members. The library has a large collection of books, reference materials, research journals, magazines, and periodicals. Furthermore, the library houses a wide range of specialised information, such as publications from international and national organisations and statistical data. Teachers and students have easy access to online research resources and the Internet. Downloading research materials is possible through the Pakistan Education & Research Network (PERN) facility on the HEC website.





ACADEMICS

OFFICE OF CONTROLLER EXAMINATION



Mr. Mujahid Hussain

Deputy Controller Examination

M.Com (University of Balochistan Quetta, PK)

The office of the Controller Examination, University of Gwadar is responsible for ensuring quality and conducting examination for undergraduate and graduate level. The semester policies, rules and regulation for degree programs, diploma and short certificate courses being offered by the different faculties are also decided and implemented by the office of the controller examination. Apart from examination, this office is also responsible for exam sehdules, conducting and accountability of examination, collection and issuance of detailed mark sheet and other certificates.

The academic standing of a student is referred as grade point average (GPA), which is the ratio of the total number of grade points earned to the total number of credits attempted. The maximum possible GPA is 4.00, however the minimum semester GPA to remain is satisfactory academic standing is 2.00. Students are placed on academic probation at the end of any semester in which their semester GPA falls below 2.00.

A student whose semester GPA remains below 2.00 is given a warning for his/her poor performance. If any of studnet CGPA remains below 2.00 for two consecutive semesters his/her name is removed from the roll of the Institute. A student can start as a fresher upon request with no credit transfer if two consecutive probations are experienced in first two semesters.

Registration Schedule

Students have to register for their courses during the period specified for the purpose before the commencement of a semester. The office of the Examinations, before the start of every semester, will notify the registration deadline.

Attendance Rule

Although the students are expected to attend all the lecture and laboratories work pertaining to their courses of study but are required to attend at least 75% of the total Lecture/Lab work for each course to qualify for appearance in the final examination.

Repeating Courses

Courses in which students secure F grade are required to repeat the entire course . They may have an option for a substitute course only if there is an alternative in the curriculum. Students can repeat courses if they secure F, D+ or D grade, on the condition that they repeat the courses within 3 semesters after the semester in which they obtained these grades. In case of repeated courses, all grades achieved by students appear in their transcripts. However, only the latest grade in chronological order will be counted for the Cumulative Grade Point Average, even if it is lower than the earlier one.

Spring 2022	
Activity	Date
Commencement of Classes	Tuesday, February 1, 2022
Mid-Term Examinations	Monday, March 28, 2022 TO Saturday, April 2, 2022
Resumption of Classes after Mid-Term Examinations	Monday, April 4, 2022
End of Classes	Friday May 27, 2022
Final-Term Examinations	Monday, May 30, 2022 TO Saturday, June 4, 2022
Final Result Submission	Monday, June 13, 2022
Result Declaration and Announcement	Monday, June 20, 2022

Fall 2022	
Activity	Date
Commencement of Classes	Monday, August 15, 2022
Mid-Term Examinations	Monday, September 26, 2022 TO Saturday, October 1, 2022
Resumption of Classes after Mid-Term Examinations	Monday, October 3, 2022
End of Classes	Friday, November 11, 2022
Final-Term Examinations	Monday, November 13, 2022 TO Saturday, November 18, 2022
Final Result Submission	Monday, November 27, 2022
Result Declaration and Announcement	Monday, 4 December 2022

Public Holidays	
Holidays	Date
Kashmir Day	Friday, February 5, 2022
Pakistan Day	Wednesday, March 23, 2022
Labor Day	Sunday, May 1, 2022
*Eid-ul-Fitr	Tuesday, May 3, 2022 & Wednesday, May 4, 2022
Ashura	Sunday, May 7, 2022 & Monday, May 8, 2022
Independence Day	Sunday, August 14, 2022
Milad un-Nabi	Sunday, October 9, 2022

Note:

The University reserves the right to make any change in academic calendar as required.

*Subject to the appearance of moon.

The announcement of aforementioned holidays is subject to the announcement of Federal Government.

Semester Freeze Policy

- Student can freeze a semester and will resume his/her studies from the same stage where froze.
- No freezing during the semester will be allowed. The maximum duration of the degree program shall remain the same.

Note: freezing of semester will only be allowed after successful completion of 1st semester as prerequisite or the case may be for other semester's predecessor to the freezing semester.

Examinations Office

The Examination Office works under the supervision of Director Admissions & Examinations. This office is responsible for preparing class and examination schedules, holding of semester's examinations, maintenance and compilation of results issuance of semester result reports, transcripts, certificates and degrees.

Credit Hour System

The credit hours assigned to a theory or a laboratory courses are determined by the contact hours allocated to it per week throughout a semester. For a theory course one credit hour is equivalent to one contact hour of lecture per week, and for a laboratory course, three contact hours of practical work per week constitute one credit hour.

Semester Credit Load

Students can normally register in accordance with his / her degree program, 15-18 credit hours in a semester. No exception to this upper limit is allowed to regular students. However, in later years this limit may be relaxed for those who are repeating courses, with the approval of the Department Chairperson. Under all cases the maximum limit remains 24 credit hours.





Degree Requirements

For a Bachelor degree a student must earn a minimum of 124 to 136 credits, depending upon his / her Department. At the time of graduation, the Cumulative Grade Point Average (CGPA) should not be below 2.00.

Course Codes

The courses are identified by the course numbers, which consist of two letters and three digits. The first two letters represent the major field; the first digit indicates the level of course; the last two digits represent the sequence number of course offered in the same area.

Student Evaluation

Students are evaluated by mid-semester test, home assignments, quizzes, case studies, course project, laboratory reports, oral tests and with the final-term examination. The weight allocated to them depends upon the nature of the course. The marks distribution are represented below:

Nature of Examination	Percentage
Sessional Marks	30%
Mid Semester Exam	30%
Terminal Exam	40%

Grading System

Depending upon academic performance, students are awarded grades A, A-, B+, B-, C+, C, C-, D+, D, F, for each course. These grades indicate the following levels of performance:

Percentage of Marks	GPA	Grade
85 and above	4.00 - 4.00	A
80-84	3.70 - 3.90	A-
75-79	3.40 - 3.60	B+
70-74	3.00 - 3.30	B
65-69	2.50 - 2.90	C+
60-64	2.00 - 2.40	C
50-59	1.00 - 1.90	D
Less than 50	0.00	F

Supporting documents for Admission Form Submission

1. Attested copy of Secondary School Certificate
2. Attested copy of Higher Secondary School Certificate
3. Attested copy of the Applicant's CNIC / B-form
4. Attested copy of Local/Domicile
5. Bank draft/pay order/receipt of cash payment (admission processing fee)
6. Six recent photographs (passport size)
7. Attested copy of CNIC of the applicant's father/guardian
8. Attested copy of Character Certificate from the last institute attended.





Faculty of Management Sciences, Commerce and Social Sciences



Departments:

- **Commerce**
- **Education**
- **Management Sciences**



Department of Commerce

Programs:

- BS Commerce



Mr. Mujahid Hussain

Chairperson (Acting)

M.Com (University of Balochistan Quetta, PK)

B.Com (University of Turbat Kech, PK)

Faculty

- Mr. Mujahid Hussain
M.Com (University of Balochistan Quetta, PK)
- Mr. Zain ul Abideen
MS in Finance (IoBM Karachi, PK) In-Progress

Teaching Fellows

- Mr. Zulfuqar
MBA (University of Turbat, PK)
- Ms. Shenila Abdul Ghafoor
MBA (Ilma University Karachi, PK)
- Mr. Shehzad
BS in Commerce (Benazir Bhutto Shaheed University Liyari , PK)

The academic activities for all four departments including commerce were formally started from 16th January 2017 and Department of Commerce has successfully passed out its first batch of two years B.Com session 2017-18. After successfully passing out a two year program, the Department of Commerce has announced its BS-Commerce (4 Years) program from 2018 as Higher Education Commission (HEC) Pakistan instructed to phase out all two years bachelor programs. From 2018 onward, Commerce is currently running its BS-Commerce (4 years) and its 4th batch in the same.

After a successful journey of four (4) years as a campus, the Gwadar Campus has formally converted into a Full-fledged University as University of Gwadar on 25th October 2021 by appointing its first Vice Chancellor. Luckily, Prof. Dr. Abdul Razzaq Sabir, as first Vice Chancellor University of Gwadar took over the charge on 29th October 2021.

Department of Commerce in all Universities within a country plays a pivotal role in the promotion of commerce related activities like trade and logistic, import export, auditing and taxation, accounting and finance with all other relevant fields that are the key contributing areas of social and economic development of a nation. With the same



perspective and vision, the department of commerce along with its core team, is providing its utmost capacity to work for the region by engaging the energetic youth of society and making them to be enrolled in different programs which are running under the renowned stream known as Commerce.

The programs that we have, are designed with theoretical, conceptual and practical knowledge including Business, Economics, Finance, Banking, Auditing, Taxation, Accounting, Management, Business Law and many other fascinating subjects necessary to understand commerce stream and their implementation in real life. It also introduces practical knowledge including Industrial and Banking sector visits, capital market like Stock Exchange, Internship and report writing, projects and group works on different organization which are the biggest sources of imparting practical wisdom and understanding the real life situations while working in regional, national and international level organization around the world. Our academic and extra-curricular activities are not limited here but the department has a vast vision and planning to include new course that best fit with the current market trend as well as to cover the future market demand. We are also committed to work with chamber of commerce which will be the biggest platform for the entire region by providing countless opportunities to the students as well as to our alumnae for representing themselves with the youth of entire country that will certainly help the society, region and economy as whole.

Vision Statement

To provide market oriented, research based Knowledge with optimal commitment and excellence in order to produce skilled youth for a sustained socio-economic development.

Objective of the department

- To create a very competitive learning environment in which students can get maximum benefit by sharing their knowledge, wisdom and experiences from two way communication regarding business organizations in the region.
- To work with the youth of region and provide countless opportunities in corporate sector by introducing wide-ranging subjects along with practical knowledge.
- To prepare the energetic youth of the region and make them capable to meet the demand of skilled, professional and experienced human resource market for future.
- To identify and fill the gap of corporate as well as public and private sector organizations in terms of professional including Accountant, Finance Analyst, Auditors, Banking Executives, Economic Analyst, Trade and Logistic Managers and so other exciting job opportunities waiting to be filled by the competent professionals.
- To build the capacity of youth of the region in terms of critical thinking, analytical skills, problem solving abilities and practical aspects by introducing with real life situations, role playing activities, teamwork challenges as part of their academic career in different degree programs.

The Department Offer Following Programs:

(Bachelor of Science in Commerce)

The program is combined with variety of subjects which are related to to daily life situations being practiced by the every individual of the society. The courses of BS (Commerce) includes Management, Economics, Accounting, Finance, Marketing, Banking, Auditing, and Taxation as core competencies.



Apart from these core courses, students will also have various supporting courses knowledge which includes, Business Communication, Sociology, Self-Management Skills, Psychology, Business Ethics, Organizational Behavior, Business Research and Business Law as to know the social and ethical values for doing a business or working at any level of public and private organization at any level of hierarchy. In this program, students will also need to be involve in different practical tasks, projects as course requirement to visit Banks, Project Management Units (PMUs), Industries, Internships in Public and Private sector organizations and different level of entrepreneurial challenges in different Universities of the country. Students will also need to prepare an internship report, or research on a business issue and a comprehensive project at the final semester of BS(Commerce) required for degree completion of the program successfully.

Program Learning Outcome (PLO)

Commerce Program is primarily designed for corporate world which aims to prepare the youth of the region to convert their dreams into the reality especially in the field of business and to contribute in different levels of corporate world so the social and economic objectives are attained. The program has several objectives which are briefly discussed below:

Academic Education

To produce business graduates, Professional and experts youth and to prepare to fill the future demand of market.

Knowledge for Solving Business Issues

To apply the basic theories, concept and practical knowledge to identify the current business related issues existing in the market and making them capable to understand the real market situations as well as to analyze the available options for solving those challenges.

Problem Analysis

Identify and collect the facts and figures regarding issues with the help of conducting different research methods, mathematical formulas, statistical representation and financial cost and benefit analysis for solving those issues and coming up with better and effective results.

Individual and Team Work

Perform, coordinate and function as team on different task to boost their team work skills, leadership qualities, role playing characters and be as an effective individuals for the tasks assigned to them during the academic career as well as in their real lives.

Language and Communication Skills

Communicate with any person, colleagues, managers, client and other hierarchical setup in an organization effective and efficient manner with the help of concept and philosophies and basics of communication.

Business Ethics

Know the limitation of organizational system, ethics for doing business or being part of any sort of private, public business organization and ignoring the practices which are illegal as well as against the ethics of business organization.

Life-long Learning

Diagnose the need and requirement of the society and have to be equipped with practical knowledge and experienced to offer the services to the society and be engaged with organization as an independent professional.

Research and Internship Report

Practically work as internee within a national level public or private sector organization in accordance with the specialized subject with a period of 6 weeks to understand the real life implementation of program subject within the organizational setup. A report after the internship is to be prepared and submitted by the internee to the Head of The Department discussing the organizational hierarchy, working environment, management, practical learning, critical thinking and recommending the organization for their weakness so the organization could get the benefit from research based and updated student of current era.



Admission Criteria

At least 45% marks in intermediate / I.Com / D.Com or equivalent certificate.

Fee Structure

Sr. No	Detail of Charges	Amount
1	Admission Fee (One-time fee)	1,500
2	Tuition Fee	6,500
3	Security Money Refundable (Onetime fee)	2,000
4	Examination fee	250
5	Identity Card	200
6	Lab fee	2,000
7	Sports Fee	250
8	Transport Fee per semester	250
9	Library Fee	250
10	Total (First Semester Fee)	13,200
	Fee per semester from 2nd to 8th	9,200

Degree Requirement for the BS Commerce

For obtaining Bachelor of Science degree in Commerce, a student has to complete Minimum 138 credit hours with a CGPA of 2.0 or above.

Course requirements for obtaining BS (Commerce) degree offered by Department of Commerce are given below;

Course Category	Course Code	Course Title	Credit hours	Total Credits
Compulsory Course	ENG-301	Functional English	3	39
	MAT-301	Business Mathematics	3	
	ENG-302	Business Communication	3	
	ENG-303	Oral Communication	3	
	MAT-302	Business Statistics	3	
	ITC-301	Introduction to Computer	3	
	COM-301	Islamic & Pak Studies	3	
General Courses	COM-303	Introduction to Sociology	3	
	MAN-305	Business Ethics & Corporate Social Responsibilities	3	
	ECO-303	Economy of Pakistan	3	
	COM-302	Introduction to Psychology & Critical Thinking	3	
	MAN-306	Organizational Behavior	3	
	MAN-309	International Business	3	

Course Category	Course Code	Course Title	Credit hours	Total Credits
Foundation Courses	ACT-302	Financial Accounting-I	3	39
	MAN-301	Introduction to Business	3	
	ECO-301	Microeconomics	3	
	ECO-302	Macroeconomics	3	
	MAN-303	Principles of Management	3	
	MAN-304	Principles of Marketing	3	
	LAW-301	Business Law	3	
	FIN-301	Introduction to Business Finance	3	
	ACT-304	Cost Accounting	3	
	AUD-301	Principles of Auditing	3	
	TEX-301	Business Taxation	3	
	BAN-301	Money and Banking	3	
	MAN-302	Self-Management Skills	3	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Core Courses	ACT-302	Financial Accounting-II	3	42
	ACT-303	Advanced Accounting-I	3	
	ACT-305	Advanced Accounting-II	3	
	FIN-302	Financial Management	3	
	MAT-303	Inferential Statistics	3	
	Man-311	Business Research Methods	3	
	ACT-306	Managerial Accounting	3	
	ECO-304	Managerial Economics	3	
	MAN-307	Human Resource Management	3	
	Law-302	Corporate Law	3	
	MAN-308	Entrepreneurship	3	
	MAN-312	Strategic Management	3	
	ITC-302	E-commerce	3	
	Man-310	Corporate Governance	3	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Elective Courses	Accounting			
	ACT-501	Company Accounting	3	
	ACT-502	International Financial Reporting Standards-I	3	
	ACT-503	International Financial Reporting Standards-II	3	
	ACT-504	International Financial Reporting Standards-III	3	

Course Category	Course Code	Course Title	Credit hours	Total Credits		
Elective Courses	ACT-505	Public Sector Accounting	3	12		
	ACT-506	Analysis of Financial Statements	3			
	ACT-507	Environmental Accounting	3			
	ECO-501	Econometrics	3			
	ACT-508	International Accounting	3			
	Finance					
	FIN-501	Financial Markets & institutions	3			
	FIN-502	Analysis of Financial Statements	3			
	FIN-503	Investment and portfolio Management	3			
	FIN-504	International finance	3			
	FIN-505	Islamic finance	3			
	FIN-506	Treasury and Fund Management	3			
	FIN-507	Project finance and Evaluation	3			
	ECO-501	Econometrics	3			
	FIN-509	Risk Management	3			
	FIN-508	Financial Derivation	3			
	Audit & Taxation					
	AUD-501	Auditing and Assurance	3			
	AUD-502	Forensic and Investigation Auditing	3			
	AUD-503	Internal control system and compliance	3			
	AUD-504	Performance audit and Evaluation	3			
	TAX-501	Income tax law	3			
	TAX-502	Sales tax laws	3			
	TAX-503	Custom duty laws	3			
	TAX-504	Excises duty laws	3			
	Banking					
	BAN-501	Commercial Banking Operations	3			
	BAN-502	SME Banking	3			
	BAN-503	Consumer Banking	3			
	BAN-504	Islamic Finance	3			
BAN-505	Credit and Risk Management	3				
BAN-506	E-Banking	3				
BAN-507	International Banking	3				
BAN-508	Anti-Money Laundering	3				
ECO-501	Econometrics	3				

Semester Wise Study Plan of BS (Commerce)

Tentative course offering plan for BS (Commerce) degree offered for Spring 2022 is given below in a semester wise format.

Course Code	Course Title	Pre-requisite	Credit Hours	
1 st Semester (Credit Hours-18)	COM-301	Islamic & Pak Studies	None	3
	ENG-301	Functional English	None	3
	ITC-301	Introduction To Computer	None	3
	MAT-301	Business Math	None	3
	MAN-301	Introduction To Business	None	3
	ACT-301	Financial Accounting I	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
2 nd Semester (Credit Hours-18)	MAN-302	Self-Management Skill	None	3
	ENG-302	Business Communication	ENG-301	3
	MAN-303	Principle Of Management	MAN-301	3
	MAT-302	Business Statistic	None	3
	ECO-301	Micro Economic	None	3
	ACT-302	Financial Accounting II	ACT-301	3

Course Code	Course Title	Pre-requisite	Credit Hours	
3 rd Semester (Credit Hours-18)	COM-302	Introduction To Psychology	None	3
	ENG-303	Oral Communication	ENG-302	3
	MAN-304	Principles of Marketing	MAN-303	3
	LAW-301	Business Law	None	3
	ECO-302	Macro-Economic	ECO-301	3
	ACT-303	Advance Accounting – I	ACT-302	3

Course Code	Course Title	Pre-requisite	Credit Hours	
4 th Semester (Credit Hours-18)	COM-303	Introduction To Sociology	None	3
	BAN-301	Money And Banking	None	3
	FIN-301	Intro. To Business Finance	None	3
	AUD-301	Principles Of Auditing	ACT-301	3
	ECO-303	Economy Of Pakistan	ECO-302	3
	ACT-304	Cost Accounting	ACT-301	3

Course Code	Course Title	Pre-requisite	Credit Hours	
5 th Semester (Credit Hours-18)	MAN-305	Business Ethics	None	3
	MAN-306	Organizational Behavior	None	3
	FIN-302	Financial Management	ACT-301	3
	TEX-301	Business Taxation	FIN-301	3
	MAN-307	Human Resource Mgt.	ACT-301	3
	ACT-305	Advance Accounting – II	MAN-303	3

Course Code	Course Title	Pre-requisite	Credit Hours	
6 th Semester (Credit Hours-18)	MAN-308	Entrepreneurship	MAN-301	3
	LAW-302	Corporate Law	LAW-301	3
	MAN-311	Business Research Methods	NONE	3
	MAT-303	Inferential Statistics	MAT-302	3
	MAN-309	International Business	MAN-309	3
	ACT-306	Managerial Accounting	ACT-304	3

Course Code	Course Title	Pre-requisite	Credit Hours	
7 th Semester (Credit Hours-15)	MAN-310	Corporate Governance	MAN-301	3
	ECO-304	Managerial Economics	MAN-303	3
	ITC-302	E-Commerce	ECO-301	3
		Elective-1		3
		Elective-2		3

Course Code	Course Title	Pre-requisite	Credit Hours	
8 th Semester (Credit Hours-15)	MAN-312	Strategic Management	None	3
		Elective-3	None	3
		Elective-4	None	3
		Elective-5 (Internship/Research Project)	None	6





COM-301 Islamic & Pak Studies

The course aims to provide the basics of Islamic belief and knowledge and role of Islamic concepts in business as well as the introduction and history of Pakistan to the students.

ENG-301 Functional English

The purpose of this course is to introduce the basics of English grammar, concept and theory for writing, reading and speaking as well as the ability to communicate while studying in the BS Program.

ITC-301 Introduction to Computer

In this course, the student will be learning with the basics of MS office in order to prepare their report, make a presentation and do calculation works with the help of Information technology.

MAT-301 Business Math

The purpose of business mathematics in this program is the students must learn the basic arithmetic and implement it into their study for analyzing the business report, shareholders wealth and profit sharing with the help of ration, proportions and percentage.

MAN-301 Introduction to Business

This course is fundamental and most important basic subject in which students will learn the function of business organization, commercial and manufacturing industries, and forms of business that are the key elements for being a businessman nationally and internationally.

ACT-301 Financial Accounting I

Financial Accounting is key subject which aims to provide the basics of business transactions, theory and concept of information and making best economic decisions by the stakeholders of a business organization.

MAN-302 Self-Management Skill

Learning and knowing about oneself is also the most important in an era where competition and market structures are too tough, this course enables the business students to know the strength, weakness, opportunities and threat that are most needed factor for managers and employee.

ENG-302 Business Communication

After English, this course help and make the students learn the ways of effective communication within organization as well as educational and professional lives of the current students through effective writing skills and techniques.

MAN-303 Principle of Management

This course introduces the managerial functions for business students for their professional and personal lives by implementing the philosophy of Planning, Organizing, Leading and controlling into their business setup as well as personal lives as whole.

MAT-302 Business Statistic

In this course, students will know the tools and techniques of statistical data, representation and analyzing the situation and learn how solve them in accordance with collected numbers and data.





ECO-301 Micro Economic

As a business student, they must be learning the economy and its basic factors for rational decision making among the set of alternate opportunities. This course introduces with the market, its structure and fulfilling the needs and want within limited resources.

ACT-302 Financial Accounting II

This part of financial accounting deals with the principals and concept being used by the public and private sectors worldwide. It introduces with cash management, accounts receivables and inventory management of the organization and recording them for preparation of statements so the stakeholders make effective economic decision.

COM-302 Introduction to Psychology and Critical Thinking

To understand the Psyche of human and functions of senses, this course best fit with the business students as to deal with different minds in workplace as well as in market. The course improve the logical reasoning of students.

ENG-303 Oral Communication and Technical Writing

The objective of oral communication is to improve presentation skills, verbal and non-verbal communication of students as he/she has to present himself/herself in-front of different level of employee, social classes, market and nations while doing business as well as working in any sector and organization.

MAN-304 Principles of Marketing

This course aims for introducing the concept, theories and philosophy of marketing as it is the

core component for any sort of business organization as well as other sectors. In this course, students will be learning market research, need and requirement of customers, product, price, place and promotional strategies for a product to meet the demand of society.

LAW-301 Business Law

Business Law is total introduction of a legal system of Pakistan for doing a business either it is a sole business, partnership or joint stock company. The students will be learning about forms of agreement, contract, partnership deed and other legal documents needed for public and private sector organization.

ECO-302 Macro-Economic

Macroeconomics discuss with major economic indicators like National Income, Inflation, Flow of Money in economy, Aggregate demand and supply, employment and working of exchange system in order to make rational economic decision for the business as well as stakeholders.

ACT-303 Advance Accounting - I

Advance Accounting is continuity of financial accounting in which student well be reading the accounting for installment sales, hire purchase system, corporate accounting system and other techniques for business and effective decision making.

COM-303 Introduction to Sociology

This course aims for students to understand the importance of social study into the business, dealing with social classes, community and other social





aspects that need to be understood before doing a business as well as starting any sort of economic activity.

BAN-301 Money and Banking

In this course, students will learn the evolution of money, nature and need of money, commercial and banking system, operation of banking within or without country, monetary policy and role of banking institution for a country especially for a business-oriented community.

FIN-301 Introduction to Business Finance

The main objective of this course is to introduce the basics of finance in business organization, forms and sources of finances, financial operations, role and responsibilities of finance manager for an organization. Students in this subject will learn the key theories and concepts that are most needed experiences for a finance manager or business owners.

AUD-301 Principles of Auditing

This course intends to introduce with students the checking and analyzing the financial reports and making them free from error and omission. The main purpose of the course is to enable students how they check and internally control the organization from fraud and other threats.

ECO-303 Economy of Pakistan

As a student as well as an employee in Pakistan context, the knowledge of Pakistan economy is must be read, for this purpose, the course will make

the students to understand the major contributors of Pakistan economy like agriculture, industries, human resources and service sector and learn how these sectors can be improved for a better and effective production optimization.

ACT-304 Cost Accounting

This course aims for understanding the students' ability about cost concept, flow of costs in organization, types of cost in business, cost minimization in different levels of production in manufacturing industry.

MAN-305 Business Ethics and Corporate Social Responsibility

The core objective of this course is to introduce with basic norms and ethics of business organization, working on social wellbeing by helping society in different ways, following the roles and framework for a good business and having ethical values for operating an organization.

MAN-306 Organizational Behavior

Different groups, culture, race and gender are working for a specific organization under a roof and workplace then it must be for all to follow the organizational behavior. This course helps the students to learn individual and group reaction with each other while working at same workplace.

FIN-302 Financial Management

This part of finance helps the students to understand the wealth maximization related decision making for business, investing and analyzing the return, acquisition and utilization of fund of business organization for better result and minimum risk.





Noor Jahan (Batch-2017)

I am pleased to have an opportunity to express my opinions on the department that has been the biggest source of my career development. I am proud to be an alumna of the Department of Commerce at Gwadar campus. This institution, in my entire journey, taught me how to be strong enough to compete in real-life situations and deal with the difficulties. Today, I can cope with all challenges with a positive attitude. Behind this confidence, capability, and positive approach, are the tireless efforts of my teachers who always kept motivating, counseling, and mentoring us. It is a pride for me to introduce myself as an alumna of the Department of Commerce that provided path to raise my skills and compete with society independently. I am currently serving at Government Girls School in Gwadar as a Junior Elementary Teacher, appointed through CTSP and also running a small online setup by utilising the knowledge and skills gained from my educational career. At last, I encourage all girls of Gwadar, the Commerce discipline is not limited to boys only, there are countless opportunities for girls as well.

TEX-301 Business Taxation

The taxation system and tax law is mandatory to be studied for a business student. With this objective, this course intends to describe the taxation law, tax policy and rates, types of taxes and calculation of different taxes and tax liability for business and other public sector organization.

MAN-307 Human Resource Management

This course aims to make student learn about the management of human resources at a workplace. In this course, all human resource related issues, recruitment and selection, motivation, training and development and other human issues will be learnt by the students so they could effectively manage human at work.

ACT-305 Advance-Accounting - II

This part of accounting will deal with the branch accounting, departmental accounting, analysis of financial statement and other daily based accounting information will be learnt by the students conceptually, theoretically and practically.

MAN-308 Entrepreneurship

The objective of this course is to develop the critical thinking of students for new business idea, creative opportunities, developing business plan and its execution and other profitable entrepreneurial opportunities to start new venture for social and economic growth.

Law-302 Corporate Law

This part of Law course aims for students to understand the company ordinance 1984, 2017, Securities and Exchange Committee of Pakistan Act and other relevant legal forums which are established for providing rule and regulation for corporate sector in Pakistan.

Man-311 Business Research Methods

This course intends to introduce the basic of research and its concept in business. In this course students will learn the method of conducting a correct, valid, and viable research regarding a particular issue whenever is faced by the managers, employees and business organization and providing the best solution from different analysis and hypothesis testing.

MAT-303 Inferential Statistics

The inferential statistics is another part of statistics in which the students will learn the different statistical models uses for various situations, implementation of statistical tools for solving a real life issues as well as

business problems by analyzing the represented data for better decision.

MAN-309 International Business

In this course, students will be learning the concept and theories of business in international environment. The students will be able to learn the issues and challenges of import and export, globalization, language barriers and currency value of one to another country as well as knowing the external and internal factors while being involve in an international business.

Act -306 Managerial Accounting

Managerial accounting deal with the accounting information and making decision at management level. The decision includes, cost and benefit analysis, best costing method for production, budgeting and cost allocation for different project being run by the organization.

Man-310 Corporate Governance

In this course, students will learn the corporate governance. The students will be learning roles and function of top managers, corporate structure, principles and agent theory, board of directors and their due role for the corporate sector.

Eco-304 Managerial Economics

This course aims to understand the student about the theory of a firm, optimization of production and profit, wealth maximization and scope of a manager while making economic decision by using mathematical tools and techniques.

ITC-302 E-Commerce

This course provide basic tools for doing a business using information technology. Electronic commerce as being the most utilized way for selling and purchasing for customer worldwide must be read and understand by the commerce students so they could best use the tools for making a profitable business virtually.

MAN-312 Strategic Management

This course introduces the top management vision, thinking and solving problems, decision making for long term for achieving the organizational goals. The students will learn the philosophy of managers, executives, and business expert for facing the challenges raise in business world.



Khalida Syed Bakhsh(Batch-2017)

I, Khalida Syed Bakhsh, feel proud to be an alumna of the Department of Commerce, Gwadar Campus, from where my educational career got a straight and successful journey. During my two-year educational journey, I have not only learnt professional skills but also felt a huge difference in my personality. I have participated in so many educational and extra-curriculum activities, including national level visits, challenging program in Turbat, Karachi, Islamabad, and other universities in Pakistan that have increased my practical knowledge as well as given me enough confidence to stand in front of a huge audience and face their questions without any fear. The most precious gifts I received from the department were the kind and humble personalities of its members, including the Head of the Department and faculty members and the support team, who were always straight-forward about their responsibilities and tasks. They were so helpful and accessible to transfer their knowledge at anytime needed by us as students. I am currently running an online business. The journey of an online business in a competitive market in Bahrain is not an easy task, but with the support and hard work of the faculty, it became easy for me to operate a profitable business at home and compete with the market. I am proud of my decision to choose the commerce field as a career option, despite being a female member of society.



Department of Education

Programs:

- **B.Ed (Hons)**



Mr. Mukhtar Bashir

Chairperson (Acting)

M.Phil Education (Iqra University Karachi, PK)

M.Ed (Allama Iqbal Open University Islamabad, PK)

Faculty

- **Mr. Mukhtar Bashir**
M.Phil in Education (Iqra University Karachi, PK)
- **Ms. Sadia Naseer**
M.Phil in Education (AKUED Karachi, PK)
- **Ms. Dur Jan**
M.Phil (Iqra University Karachi, PK)
- **Ms. Shah Naz Noor**
Ph.D in Education (Iqra University Karachi, PK) In-Progress

Teaching Fellows

- **Ms. Banul**
B.Ed (University of Turbat, PK)
- **Ms. Shakeela**
M.Phil in Botany (Zhejiang Sci-Tech University Hangzhou, China)
- **Mr. Imran**
B.Ed (University of Turbat, PK)

The Department of Education emerged to offer the quality of Education in the Region of Gwadar, Balochistan. It initiated monitoring necessary changes in teaching methodology in the educational field. It promotes excellence in graduate through academic and research and creating a conducive learning environment. It also conducts, encourages and disseminates research in teaching and learning contexts. The Department aims to provide strategic directions to the educational landscape in the country with a long-term vision to develop robust networks across the region. The degree also offers contemporary coursework, exposure to the latest learning technologies, and the integration of theory and practices. It develops a passion for teaching in young minds with plenty of hands-on teaching opportunities and exposes lived experiences of a teacher both inside and outside the classrooms. The Department believes in different assessment strategies to enrich diverse leadership skills in teaching to become educational leaders and transform the education system.

Currently, the Department total number of enrollment is 107 in four batches of B.Ed(Hons) And we see a great intake of students from Gwadar and surrounding locals who take an interest in the Department due to its standard and scope. The Department of Education started its journey in 2017, and from 1st batch, 14 students passed out. The Department of Education is always pleased to provide the best of its input and create healthy outcomes as human resources.

Department Mission

The Education Department's mission is to foster a culture and a learning community that fosters the following:

- A shared understanding and commitment to our core values among all those involved in education.
- The values, skills, knowledge, and understanding are necessary to be an effective agent of change.
- An unwavering dedication to personal and professional growth.
- Intellectual straight forwardness.
- This will be accomplished through Improving one's ability to think critically and reflectively.
- Establishing processes that are both empowering and efficient in their support inventive, creative, and inspiring teaching and learning cooperation and collaboration



Objective of the department

The main objectives of the program are to:

- Upgrade and advance content knowledge of the practicing teachers.
- Facilitate practicing teachers to be in a competitive position for career progression.
- Enhance pedagogical skills and knowledge of the practicing teachers at elementary level.
- Equip practicing teachers with essential professional skills and competencies.

The Department Offer Following Programs:

Bachelor in Education(Hons)

Professional education needs life time commitment and intensive training of four years' education such as the engineering, medical and law professions in keeping with the tradition of professional education, a new four-year program B.Ed. (Hons) is presented in the following pages.

In order to make teaching a profession of choice through implementing B.Ed (hons) program developed in 2006, it is imperative to revise the current curriculum to improve the teacher development program further. A teacher in the classroom needs to be competent in the content areas as well as in teaching strategies in order to ensure expected student learning outcomes. As in any profession teachers should be provided the opportunity to practice teaching through interacting with the school and community. In the clinical model of developing teachers as professionals, it is important for that prospective teacher to gain adequate insight into the ground realities of school and classrooms through their attachments in schools and communities. This rich experience of practice enables prospective teachers to bring a positive attitude in classroom teaching and understanding a plurality of cultures. Practice teaching is a major and joint responsibility of

teacher training institutions, schools involving teacher educators, prospective teachers and school teachers. Inclusion of short term training with long term teaching practice will provide an opportunity to prospective teachers to extend their role in the school situation other than classroom teaching. During their short term teaching practice, prospective teachers can be engaged in administrative activities under supervision such as maintenance of school records and registers, management of laboratories and library, preparation of tests and assignments, admission and selection of students and classroom management, etc. Planning and carrying out an action research activity, engaging in courses like critical thinking and reflective practices, studying contemporary issues and trends in education and involvement of prospective teachers in practical/field work would greatly reduce isolation of the teacher and will develop the habit of inquiry into practice. This breakthrough is expected to facilitate the process of multiculturalism and pluralism in our education system to bring about social transformation in the society. Hence, a blend of content and pedagogical courses has been provided in the scheme of studies – the two years of graduate courses and two years long professional courses to prepare prospective teachers as professionals in education.

Program Learning Outcome (PLO)

- A teacher in the classroom needs to be competent in the content areas as well as in teaching strategies in order to ensure expected student learning outcomes.
- As in any profession teachers should be provided the opportunity to practice teaching through interacting with the school and community.
- In the clinical model of developing teachers as professionals, it is important for that prospective teacher to gain adequate insight into the ground realities of school and classrooms through their attachments in schools and communities.
- This rich experience of practice enables prospective teachers to bring a positive attitude in classroom teaching and understanding a plurality of cultures.

Admission Criteria

At least 45% marks in intermediate or equivalent.

Sr. No	Detail of Charges	Amount
1	Admission Fee (One-time fee)	2000
2	Tuition Fee	7500
3	Security Money Refundable(One time fee)	2000
4	Examination fee	250
5	Identity Card	200
6	Lab fee	500
7	Sports Fee	500
8	Transport Fee	250
9	Library Fee	250
10	Total (First Semester Fee)	13,200
	Fee per semester from 2nd to 8th	9,200

Degree Requirement for the B.Ed (Hons)

For obtaining Bachelor of Education (Hons) degree, a student has to complete Minimum 135 credit hours with a CGPA of 2.0 or above.

Course requirements for obtaining B.Ed (Hons) degree offered by Department of Education are given below;

Course Category	Course Code	Course Title	Credit hours	Total Credits
Compulsory Courses	ENG-101	Functional English-I	3	19
	IS-103	Islamic Studies/ Ethics	2	
	ENG-102	English-II (Communication Skills)	3	
	CL-104	Computer Literacy	3	
	GM-108	General Mathematics	3	
	PS-110	Pakistan Studies	2	
	ENG-301	English – III (Technical Writing & Presentation Skills)	3	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Professional Courses	MTIS-112	Methods of Teaching Islamic Studies	3	43
	TLS-201	Teaching Literacy Skills	3	
	TURL-205	Teaching of Urdu/ Regional Languages	3	
	TGS-207	Teaching of General Science	3	
	ICT-209	Instructional and Communication Technology in Education	2	
	TENG-204	Teaching of English	3	
	TM-206	Teaching of Mathematics	3	
	TSS-210	Teaching of Social Studies	2	
	CITE-302	Contemporary Issues and Trends in Education	3	
	CEDU-308	Comparative Education	3	
	IGC-310	Introduction to Guidance and Counseling	3	
	SM-402	School Management	3	
	RME-409	Research Methods in Education	3	
	TDE-404	Test Development and Evaluation	3	
	RP-408	Research Project	3	

Course Category	Course Code	Course Title	Credit hours	Total Credits
Foundation Courses	CD-105	Child Development	3	33
	GMT-111	General Methods of Teaching	3	
	CM-106	Classroom Management	3	
	CA-202	Classroom Assessment	3	
	SCT-208	School, community and Teacher	3	
	FEDU-303	Foundations of Education	3	
	CRD-309	Curriculum Development	3	
	EDUP-311	Educational Psychology	3	
	PEDA-405	Pedagogy - I (Specialization - I)	3	
	PEDA-407	Pedagogy - II (Specialization - II)	3	
	URD-107	Urdu / Regional Languages	3	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Content Courses	GS-109	General Science	3	24
	ACC-203	Art, Crafts and Calligraphy	3	
	CC-305	Content Course - I (Discipline - I)	3	
	CC-307	Content Course - I (Discipline - II)	3	
	CC-304	Content Course - II (Discipline - I)	3	
	CC-306	Content Course - II (Discipline - II)	3	
	CC-401	Content Course - III (Discipline - I)	3	
	CC-403	Content Course - III (Discipline - II)	3	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Teaching Practice Courses	TP-211	Teaching Practice - 1 (Short Term)	3	15
	TP-212	Teaching Practice	3	
	TP-411	Teaching Practice - 2 (Short Term)	3	
	TP-406	Teaching Practice (Long Term)	6	

Semester Wise Study Plan of B.Ed (Hons)

Tentative course offering plan for B.Ed (Hons) degree offered for Spring 2022 is given below in a semester wise format.

Course Code	Course Title	Pre-requisite	Credit Hours	
1 st Semester (Credit Hours-17)	ENG-101	Functional English-I	None	3
	IS-103	Islamic Studies/Ethics	None	2
	CD-105	Child Development	None	3
	URD-107	Urdu/Regional languages	None	3
	GS-109	General Science	None	3
	GMT-111	General Methods of Teaching	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
2 nd Semester (Credit Hours-17)	ENG-102	English-II (Communication Skills)	None	3
	CL-104	Computer Literacy	None	2
	CM-106	Class Room Management	None	3
	GM-108	General Mathematics	None	3
	PS-110	Pakistan Studies	None	2
	MTIS-112	Methods of Teaching Islamic Studies	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
3 rd Semester (Credit Hours-17)	TLS-201	Teaching Literacy Skills	None	3
	ACC-203	Art, Crafts and Calligraphy	None	2
	TURL-205	Teaching of Urdu/Regional languages	None	3
	TGS-207	Teaching of General Science	None	3
	ICT-209	Instructional and Communication Technology in Education	None	2
	TP-211	Teaching Practice (Short Term)	None	3

	Course Code	Course Title	Pre-requisite	Credit Hours
4 th Semester (Credit Hours-17)	CA-202	Class Room Assessment	None	3
	TENG-204	Teaching of English	None	3
	TM-206	Teaching of Mathematics	None	3
	SCT-208	School, Community & Teacher	None	3
	TSS-210	Teaching of Social Studies	None	2
	TP-212	Teaching Practice	None	3

	Course Code	Course Title	Pre-requisite	Credit Hours
5 th Semester (Credit Hours-18)	ENG-301	English-III (Technical Writing & Presentation Skills)	None	3
	FEDU-303	Foundation of Education	None	3
	CC-305	Contented Course-I (Discipline-I)	None	3
	CC-307	Content Course-I (Discipline-II)	None	3
	CRD-309	Curriculum Development	None	3
	EDUP-311	Educational Psychology	None	3

	Course Code	Course Title	Pre-requisite	Credit Hours
6 th Semester (Credit Hours-15)	CITE-302	Contemporary issues & Trends in Education	None	3
	CC-304	Content Course-II (Discipline-I)	None	3
	CC-306	Content Course-II (Discipline-II)	None	3
	CEDU-308	Comparative Education	None	3
	IGC-310	Introduction to Guidance and Counselling	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
7 th Semester (Credit Hours-18)	CC-401	Content Course-III (Discipline-I)	None	3
	CC-403	Content Course-III (Discipline-II)	None	3
	PEDA-405	Pedagogy-I (Specialization-I)	None	3
	PEDA-407	Pedagogy-II (Specialization-II)	None	3
	RME-409	Research Methods in Education	None	3
	TP-411	Teaching Practice (Short Term)	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
8 th Semester (Credit Hours-15)	SM-402	School Management	None	3
	TDE-404	Test Development and Evaluation	None	3
	TP-406	Teaching Practice (Long Term)	None	6
	RP-408	Research Project	None	3





CD-105 Child Development

The primary focus of this course is learning about children in order to become an effective teacher. It provides Student Teachers with an overview of child development and growth as a holistic process. The latest research and thinking about the conditions that affect children's learning and development will be addressed across developmental domains and stages of development. Development of language and cognition as well as emotional, social, and physical characteristics of children will be explored. Student Teachers will form their own child development theories. Implications of child development theory for schools, teachers, and society will be considered.

GMT-111 General Methods of Teaching

This course is an introduction to teaching methods used in primary schools. Because you have been a primary school student, you will recognize some of these methods. However, you know them from a student's perspective rather than from a teacher's perspective.

Because teaching and learning interact, a course about teaching must also be about learning.

ENG-101 Functional English

The purpose of this course is to develop the English-language proficiency of prospective elementary school teachers and to help them become confident in reading, writing, speaking, and listening to the English language. Instead of teaching grammar in isolation and only at sentence level, this course is based on developing the language abilities of Student Teachers through an integrated approach that provides opportunities to develop their listening, speaking, reading, and

writing skills. With a focus on social interaction, the course draws specific attention to the accurate use of structures, improvement of pronunciation, and development of active vocabulary in descriptive, narrative, and instructional texts.

GS-109 General Science

This course will refresh and strengthen Student Teachers' subject-matter knowledge. It lays a foundation for the pedagogical content knowledge also required to effectively teach general science in primary school. The course covers core concepts in physical science, life science, and earth science. Also covered are the teaching strategies and instructional approaches that best support the development of conceptual understanding of science.

GM-108 General Mathematics

This course is designed to prepare Student Teachers for teaching mathematics in elementary grades. It provides opportunities for Student Teachers to strengthen their mathematical knowledge and skills and to gain confidence in their understanding of mathematics. An important outcome of this course is for Student Teachers to be able to teach mathematics successfully in the primary, elementary, and middle grades.

CM-106 Classroom Management

In this course, prospective teachers will be encouraged to explore their own beliefs about teaching and learning to arrive at a philosophy of classroom management that places learning as an ultimate goal. Prospective teachers will be given the chance to explore curricular concerns of what to teach and how to teach it and to view lesson planning as the consequence of these decisions. They will also study research and best practices on differentiation of instruction, classroom structures, routines, procedures, and community building.



CL-104 Computer Literacy

Information and Communications Technology (ICT) is significantly enhancing and altering human activity and enabling us to live, work, and think in ways that most of us never thought possible. Prospective teachers will actively explore the fundamental concepts, knowledge, skills, and attitudes for applying technology in educational settings. They will also learn to develop skills like collaboration, higher-order thinking, problem solving, and self-direction through effective use of technology tools and resources, thus enabling them to be lifelong learners in the twenty-first century.

ENG-102 Communication Skills

The course comprises five units that focus on developing effective communication strategies, making oral presentations, understanding intonation patterns and their role in determining the meaning of a message or text, and how to present information in speech and writing. The first five weeks are devoted to developing the Student Teachers' language confidence and interpersonal skills. This is followed by task-based projects that incorporate all four language skills in order to develop the Student Teachers' proficiency in English language.

ACC-203 Art, Crafts and Calligraphy

The Art, Crafts, and Calligraphy course will help prepare Student Teachers to teach these subjects in the elementary grades. It provides Student Teachers with an opportunity to develop their knowledge and understanding of art, crafts, and calligraphy (with a focus on Pakistani artists, calligraphers, and craftsmen and women) and to practice making their own works using a variety of techniques.

ICT-209 Instructional and Communication Technologies in Education

The focus of this course is to provide you with



the knowledge and skills regarding how ICTs can be used to engage students in the learning process, improve understanding of content as well as instructional and assessment practices, and enhance communication and collaboration in the classroom. By 'student,' we mean here children in primary or lower secondary grades.

TGS-207 Teaching of General Science

This course will strengthen prospective Student Teachers' subject-matter knowledge. It provides further opportunity to deepen the pedagogical science content knowledge required to effectively teach general science in elementary school. The course covers core concepts in physical science, life science, and earth science. It also covers teaching strategies and instructional approaches that best support the development of a conceptual understanding of science.

TLS-201 Teaching Literacy Skills

The purpose of this course is to help Student Teachers understand the theory and practice of teaching early reading and writing. Reading and writing are seen as related, integrated meaning-making processes that are reciprocal with the oral language processes of listening and speaking.

The course will provide Student Teachers with an understanding of what it means to be a reader and the significance of early reading development, which is the foundation for the continuation of literacy development.

CA-202 Classroom Assessment

Classroom assessment is the process of collecting and interpreting information about learning and teaching as it occurs in a classroom for the purpose of making decisions that improve opportunities for learning.



TM-206 Teaching Of Mathematics

This course will equip Student Teachers with the knowledge and skills to teach maths in elementary grades. They will become familiar with the mathematics content in Pakistan’s National Curriculum and expected student learning outcomes. Student Teachers will learn to use a variety of instructional methods that promote active learning of maths, including making and using teaching and learning materials. They will plan mathematics lessons and activities, and engage in practice teaching of maths.

SCT-208 School, Community, and Teacher

The purpose of this course is to provide Student Teachers with a strong foundation for understanding the relationship between and among teachers, the school, and the families and community that support the school. Basic conceptualizations of educational institutions and the role of the teacher in relating to these institutions will be considered. The course will explore the social context of schooling and examine how the work of teachers is nested within school and community.

TENG-204 Teaching of English

The course focuses on ways to teach young learners the four language skills—listening, reading, speaking, and writing—to enable them to reach a basic level of communicative competence in both spoken and written English.

The Developmental Practicum

This course includes two important parts:

- A school placement in an elementary school
- A seminar that meets regularly

School placement: Opportunities to work with children at two different grade levels, an upper and lower elementary school classroom, are provided.

As a Student Teacher, you will work with children from a variety of backgrounds and with different capabilities.

Seminar: The seminar that accompanies your fieldwork will be facilitated by your College/ University Practicum Supervisor and is designed to link pre-service program content to classroom practice. You will have an opportunity to clarify and revise your teaching goals and beliefs about a wide range of educational issues. The primary focus of this seminar is inducting Student Teachers into professional practice.

TSS-210 Teaching Social Studies

This course will help you, as a Student Teacher, to reflect on the purpose of teaching social studies and to shape your approach to teaching the subject. It will prepare you to teach the knowledge, skills, values, and attitudes essential for democratic citizenship. As a social studies teacher, you will have the opportunity to encourage informed and responsible civic action.

CRD-309 Curriculum Development

This course gives Student Teachers the opportunity to develop an in-depth understanding of the central idea of curriculum. Furthermore, it will enable Student Teachers to plan and develop curricula to meet the needs of their students.

EDUP-311 Educational Psychology

This course is an introduction to educational psychology that covers the basic concepts, theories, and principles of human development, learning, motivation, individual differences, intelligence, and assessment. Additionally, it relates how these concepts are applied to classroom teaching. In an educational setting, it is essential for teachers to know about human development and how students learn. Students learn according to their own pace and ability, so concepts about individual differences and different types of learners are also covered.





Banul Moosa (Batch-2017)

The Gwadar Campus is the institution where I spent the golden years of my life. It changed my life and took me to a different state. The university taught me the value of education and its impact on society and career for myself and others, as well as provided direction and shine in my life. The teachers were very supportive. They guided me on every difficult path.

The university inculcates skills that in my professional career will definitely help me increase the value and raise my career standard. Because I am the one who always wanted to learn, seek, and develop myself, the university has given me this environment and made me privileged with it. To sum up this, it is the best place for fun learning and having a greater future, not only for you but also for your nation as well.

FEDU-303 Foundations of Education

The purpose of this course is to help Student Teachers recognize the worth of the foundations of education, and examine their role and significance in the whole process of education in Pakistan. Student Teachers will develop a comprehensive understanding of the terms foundations and education in light of the various ideological, philosophical, psychological, sociological, and historical perspectives that have influenced education. Foundations are essentially basic ways of thinking about schooling and the formal processes of education. The course will inform them about the influence of social forces, such as politics, social structure, culture, history, and economics, on the selection of content, the methods of teaching, and the aims of education.

IGC-310 Introduction to Guidance and Counselling

This course has been designed to introduce the concept, scope, and theories that govern the process of guidance and counselling in education. It will enable Student Teachers to identify areas of guidance and counselling at the elementary level. The course will include both theoretical knowledge of guidance and counselling and the development of Student Teachers' counselling skills. It will strengthen their ability to exercise active listening skills, reflect on students' problems, and help them choose potential solutions to their problems.

CEDU-308 Comparative Education

The Comparative Education course is divided into five units. The course provides an overview of methods, major concepts, and current trends in the field. Notions of comparative education will be introduced in Unit 1, focusing on purposes, methods, and approaches. Further, the scope of comparative education will be discussed, together with determinants of a national education system, in Unit 2. The remaining units cover topics such as a comparative view of education in Pakistan and comparative education in selected developing as well as developed countries.

CITE-302 Contemporary Issues and Trends in Education

The Contemporary Issues and Trends in Education course will assist Student Teachers in appreciating the strengths, challenges, innovations, and reforms in education at both national and international levels. They will be empowered not only to adopt viable strategies and approaches in their professional practice but also to implement prescribed educational policies and programmes.

IGC-310 Introduction to Guidance and Counselling

This course has been designed to introduce the concept, scope, and theories that govern the process of guidance and counselling in education. It will enable Student Teachers to identify areas of guidance and counselling at the elementary level. Through the knowledge and skills acquired from this course, they will be well equipped to explore the talents and potential of their students, while preparing them for life in the 21st century. The course will include both theoretical knowledge of guidance and counselling and the development of Student Teachers' counselling skills.

Teaching Social Studies II

Social studies is concerned with human beings and their relation to society, and a social studies curriculum should address the totality of human experience over time and space. This course will mainly focus on the teaching of history and geography. The purpose of this course will be to integrate the elements and concepts of history and geography, such as change, continuity, and chronology.

Teaching English II

The basic aim of the course is to enable Student Teachers to master the pedagogies related to teaching and assessment in the English language. Student Teachers will also be able to integrate the practical activities meant for the development of the four skills with the pedagogies. They will also gain practical experience in the teaching of grammatical as well as lexical aspects of the English language. This course aims to enable Student Teachers to put their knowledge of different English language teaching approaches learned in the previous course into practice most suitably according to their own specific needs.



Imran Ishaque (Batch-2017)

I am Coming to the University was a crucial realm of my educational career. It is one of the most prestigious institutes not only in the Mekran region but also in the rest of Balochistan province. University of Gwadar is an oasis in the desert of hopelessness for the people of Gwadar and its enclosing regions. I am honored to be a part of their department of education program alumni. The Campus set a platform where I had exposure to diverse cultures, language, and exploration of my future world and provided skills like critical thinking, effective communication, understanding of self and others, respect the diversity, wisdom, building strong bonds, motivation, and so on. I am relying on this that wherever I serve, the skills given by the University will for sure be a factor of positive change in that particular job for me. What I wanted to do, was to grow and learn day by day with a high standard of education helped me to pursue my target. where I have come across highly qualified, supportive and friendly nature teacher who guided me by their teachings and culture of learning environment in my four years of educational journey. by the grace of almighty Allah and with my parents' prayers. The University is a great place for learning and creating a bright future for the growth and development of the society career. The faculty here invests a lot in students and is generous with their time as well as they use their meticulous approach to exceptionally enlighten the students. Being a student of UoGr was a splendid experience.

PEDA-407 Teaching of Science - III

Science education needs reform in the philosophical, instructional, and pedagogical dimensions of current practice. Learning does not occur by passive absorption of scientific facts; rather, it involves learners in constructing their own meaning and assimilating new information to develop new understandings. In Science III, the overall thrust of the course is on the development of scientific knowledge, skills, and attitudes in Student Teachers in the areas of life science, physical science, and Earth and space science. Therefore, this course emphasizes developing inquiry, problem-solving, and decision-making abilities in Student Teachers so they may maintain a sense of wonder and curiosity about the world around them.

RME-409 Research Methods in Education

The course Research Methods in Education is designed to orient Student Teachers to the concept and methods of research in education. In particular, the course focuses on action research, and it aims to equip Student Teachers with the necessary skills to plan and conduct action research in an educational setting.

PEDA-405 Teaching of Mathematics

In this course we are more focused on the transmission of knowledge by engaging students in memorizing mathematical rules and formulae,



rather than on engaging them in constructing mathematical knowledge and understanding mathematical concepts. Mathematics learning can inculcate problem-solving, logical-thinking, and reasoning skills in students only when they are taught in such a way that they learn conceptually instead of by drill and practice.

TDE-404 Test Development and Evaluation

The Test Development and Evaluation course will focus on knowledge, understanding, and skills in the development of valid, reliable, and adequate tests and evaluation procedures as a means to improve learning. Major topics covered include theories of test development, characteristics of a good test, steps in test construction, alternative assessment strategies, and evaluation and accountability based on value addition.

The Developmental Practicum

Opportunities to work with children at two different grade levels, an upper and lower elementary school classroom, are provided. As a Student Teacher, you will work with children from a variety of backgrounds and with different capabilities. Initially you will conduct formal observations and complete a variety of school-based assignments, but you are expected to gradually take a more active role, with increased responsibilities in each classroom.

RP-408 Research Project

The Research Projects in Education course is a practical course in which Student Teachers will be involved in the action research process. The course will enable them to plan, act, observe, and reflect during action research. As the action research process entails an ongoing analysis of data, Student Teachers will be engaged in the same process for their individual projects and will receive guidance from their supervisors. Student Teachers will disseminate their findings in the form of reports.

SM-402 School Management

School today is experiencing a paradigm shift in conceptions and operations related to school management. Systems thinking has become the major paradigm for school improvement efforts. The main goal of this course is to develop the capacity of Student Teachers to understand school as a system and to view school management through a systems approach. This will enable them to identify and examine their role in the school system and its significance in improving the learning outcomes of students.





Department of Management Sciences

Programs:

- Bachelor of Business Administration (BBA)



Mr. Saghir Naseem

Chairperson (Acting)

MS in Management Science (SZABIST Karachi, PK)

MBA (Bahria University Karachi, PK)

Faculty

- **Mr. Saghir Naseem**
MS in Management Science (ZBIST Karachi, PK)
- **Mr. Irshad Ahmed**
Ph.D in Management Science (IoBM Karachi, PK) In-Progress
- **Mr. Fida Hussain**
MBA in Management Science (Bangor University Wales, UK)
- **Mr. Ubaid Ali**
MS in Management Sceince (MAJU Karachi, PK) In-Progress

Teaching Fellows

- **Mr. Mutasam Iqbal**
BBA (University of Management & Technolgy Lahore, PK)
- **Mr. NehmatUllah**
MBA (University of Turbat, PK)
- **Mr. Sahiyaan Hussain**
BBA (University of Turbat, PK)
- **Mr. Sajid Usman**
BBA (University of Turbat, PK)
- **Ms. Iqra Najeeb**
BBA (Bahria University Karachi, PK)

The department of Management Sciences was established with the inception of the University of Turbat, Gwadar Campus. The academic activities were started from 16th January, 2017 with four year BBA program.

The department offers specialization in Finance, Human Resource Management, and Marketing with its specialist and qualified faculty members who have completed their education from top universities of Pakistan and foreign countries. The department of management sciences not only relies on academic activities but also guides and assists the student in organizing different events and workshops like business gala and taking participation in entrepreneurship challenges for gaining practical experience of doing their own business before completing their studies. The students are also sent to different organizations, banks for completing their internship. The main objective of this department is to produce entrepreneurs, skilled human resources in the field of Management, Marketing, Finance, Human Resource Management who could work for the betterment of the society, where they live and to prepare themselves to meet the future opportunities and challenges like CPEC.

Department Mission

The mission of the Department of Management Science is to provide an environment for creating innovative and excellence human resource by developing their entrepreneurial skills with the adaptation of the latest technological methodology of teaching, learning and research.



Objective of the department

- The department of management sciences focuses on producing skilled human resources in the field of management sciences in order to prepare them for the future opportunities and make them suitable for market needs.
- To provide high quality academic support to strengthen the management science and related business areas in the region.
- To give a brief career counselling to the students and show them the right path toward best future.
- Establishing an incubation centre for young entrepreneurs with the collaboration and support from fund raising agencies.

Bachelor of Business Administration

BBA program is comprised of eight semesters. Students take a total of 45 courses during the degree, in addition to a six-week internship. There are 40 core courses and four specialised courses among the offered courses. The student's academic progress for each course is assessed through two exams of 2 hours in the semester and a 3 hours comprehensive exam at the end of the semester.

Program Learning Outcomes (PLO's)

1. To produce skilled graduates having knowledge of business.
2. To develop creative, innovative and management skills in students and prepare them for future opportunities and challenges.
3. To arouse exploration in the mind of the students, to know trends and issues of business as a manager.
4. To keep students aware about business norms, ethical and social values.
5. Developing entrepreneurial skills in students.
6. To equip the students with problem solving skills by identifying and solving business issues.
7. Preparation of the students for either advanced studies in the field of business, management or other related programs or career in industry.

Program Learning Outcomes (PLO's)

- Understanding of Basic Finance, Banking, Financial problems, and their solution and Management Concepts.
- Improving the Analytical, theoretical and communication Skills of Students to evaluate the Business Situation and Financial Health of a Firm.
- Increase depth and breadth of understanding in the chosen area of specialization in Finance and HRM.
- Enable students to rise to the challenges and find opportunities in the given area of specialization.
- Demonstrate and improve effective written & oral communication skills.
- Be able to effectively promote organization's products and services to the final consumers.
- Be able to deal with contemporary issues in the different working environments.
- Be able to keep abreast with the latest information technology used in various industries.
- To work with a collaborative and creative approach in task-oriented goals.
- To develop their creative, innovative, and management skills.



Admission Criteria

Students with F.A/F.Sc or Equivalent degree with at least 45% marks is eligible to apply.

Fee Structure

Sr. No	Detail of Charges	Amount
1	Admission Fee (One-time fee)	2000
2	Tuition Fee	7,500
3	Security Money (Refundable (Onetime fee)	2,000
4	Examination fee	250
5	Identity Card	200
6	Lab fee	500
7	Sports Fee	250
8	Transport Fee	250
9	Library Fee	250
10	Total (First Semester Fee)	13, 200
	Fee per semester from 2 nd to 8 th	9,200

Degree Requirement for the Business Administration

For obtaining Bachelor of Business Administration, a student has to complete Minimum 135 credit hours with a CGPA of 2.0 or above.

Course requirements for obtaining BBA degree offered by Department of Management Sciences are given below;

Course Category	Course Code	Course Title	Credit hours	Total Credits
Compulsory Courses	ENG-301	Functional English	3	21
	BC-301	Business Communication (written)	3	
	BS-302	Business Communication (oral)	3	
	PIS-301	Pakistan & Islamic Studies	3	
	MAT-301	Business Mathematics	3	
	ECO-401	Macro Economics	3	
	BS-302	Business Statistics	3	
General Courses	SOC-302	Introduction to Sociology	3	6
	CSRB-401	Corporate Social Responsibility and Business Ethics	3	

Course Category	Course Code	Course Title	Credit hours	Total Credits
Foundation Courses	ITB-301	Introduction to business	3	33
	ACT-301	Introduction to Accounting	3	
	MKT-301	Principles of Marketing	3	
	BSF-301	Business Finance	3	
	MGT-301	Principles of Management	3	
	ICT-301	Introduction to Computer	3	
	HRM-302	Human Resource Management	3	
	LAW-301	Business & Corporate Law	3	
	BRM-501	Business Research Methods	3	
	ECO-301	Micro Economics	3	
	MGT-303	Self-Management Skills	3	
	Core Courses	ACC-302	Financial Accounting	
FIN-401		Financial Management	3	
MKT-401		Marketing management	3	
MGT-502		Production & Operations Management	3	
MIS-401		Management Information System	3	
ECO-403		Economies of Developing Countries	3	
MGT-401		Total Quality Management	3	
IB-402		International Business	3	
MGT-605		Strategic Management	3	
ENT-501		Entrepreneurship	3	
MKT-501		Consumer Behavior	3	
ORB-301		Organizational Behavior	3	
BAN-301		Money & Banking	3	
BIN-501		Islamic Banking & Finance	3	
ACT-401		Cost Accounting	3	

Course Category	Course Code	Course Title	Credit hours	Total Credits
Core Courses	ACT-502	Auditing & Taxations	3	63
	MIS-402	Electronic Commerce	3	
	ACT-501	Managerial Accounting	3	
	STI-401	Statistical Inferential	3	
	FIN-501	Financial Markets & Institutions	3	
	BRM-601	Research Project/Internship	3	
Elective Courses	Marketing			12
	MKT-601	Supply chain management	3	
	MKT-602	Advertising and Promotional strategies	3	
	MKT-603	Brand Management	3	
	MKT-604	Sales Management	3	
	MKT-605	International Marketing	3	
	Fianance			
	FIN-601	International Financial Management	3	
	FIN-602	Investment & Portfolio Management	3	
	FIN-603	Financial Statement Analysis	3	
	FIN-604	Treasury & Fund Management	3	
	FIN-605	Project financing & Evaluation	3	
	Human Resource Management			
	HRM-601	Training & Development	3	
	HRM-602	Change Management	3	
	HRM-603	Industrial Relation and Labor Law	3	
	HRM-604	Conflict management	3	
	HRM-605	Organizational Development	3	
HRM-606	Performance Management System	3		

Semester Wise Study Plan of BBA

Tentative course offering plan for BBA degree offered for Spring 2022 is given below in a semester wise format.

Course Code	Course Title	Pre-requisite	Credit Hours	
1 st Semester (Credit Hours-18)	ENG-301	Functional English	None	3
	ICT-301	Introduction to Computer	None	3
	MAT-301	Business Mathematics	None	3
	ACT-301	Introduction to Accounting	None	3
	ITB-301	Introduction to Business	None	3
	MGT-301	Principle of Management	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
2 nd Semester (Credit Hours-18)	PIS-S301	Pak & Islamic Studies	None	3
	ACC-302	Financial Accounting	ACT-301	3
	MGT-303	Self-Management Skills	None	3
	ECO-301	Microeconomics	None	3
	BC-301	Business Communication (Written)	None	3
	BS-302	Business Statistics	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
3 rd Semester (Credit Hours-18)	ECO-401	Macroeconomics	ECO-301	3
	BS-302	Business Communication (Oral)	None	3
	SOC-302	Introduction to Sociology	None	3
	MKT-301	Principle of Marketing	None	3
	BSF-301	Business Finance	None	3
	STI-401	Statistical Inference	BS-302	3

Course Code	Course Title	Pre-requisite	Credit Hours	
4 th Semester (Credit Hours-18)	ACT-401	Cost Accounting	ACT-301	3
	BAN-301	Money and Banking	None	3
	LAW-301	Business & Corporate Law	None	3
	FIN-401	Financial Management	BSF-301	3
	MKT-401	Marketing Management	MKT-301	3
	ORB-301	Organizational Behavior	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
5 th Semester (Credit Hours-18)	BRM-501	Business Research Methods	None	3
	HRM-302	Human Resource	MGT-301	3
	ACT-501	Managerial Accounting	ACT-401	3
	ECO-403	Economies of Developing Countries	ECO-401	3
	CSRB-401	Corporate Social	None	3
	MIS-401	Management Information System	ICT-301	3

Course Code	Course Title	Pre-requisite	Credit Hours	
6 th Semester (Credit Hours-15)	MGT-401	Total Quality Management	None	3
	ACT-502	Auditing and Taxation	None	3
	FIN-501	Financial Markets and Institutions	FIN-401	3
	MKT-501	Consumer Behavior	MKT-301	3
	IB-402	International Business	None	3

Course Code	Course Title	Pre-requisite	Credit Hours	
7 th Semester (Credit Hours-15)	MIS-402	Electronic Commerce	None	3
	ENT-501	Entrepreneurship	None	3
	MGT-502	Production and Operation Management	None	3
		Elective I		3
		Elective II		3

Course Code	Course Title	Pre-requisite	Credit Hours	
8 th Semester (Credit Hours-15)	MGT-605	Strategic Management	None	3
	BIN-501	Islamic Banking and Finance	None	3
	BRM-601	Research Project/ Internship	None	3
		Elective III		3
		Elective IV		3



ENG-301 Functional English

The main objective of this course is to give students a better knowledge of English grammar, language, and composition, enabling them to write, speak, listen and read effectively.

ICT-301 Introduction to Computer

The course covers the introduction, concept of ICT-Information and Communication Technologies, computer hardware, software, operating systems, and MS- Office productivity tools. The main objective of this course is to teach computing concepts to students as end-users to get hands-on experience on computers for day-to-day applications. The primary approach is to strike a proper balance between the WHY and the HOW of the computer.

MAT-301 Business Mathematics

The main objectives of the course are to enhance students' competency in application of mathematics to solve business management problems and to improve their level of quantitative sophistication for further advanced business analysis.

ACT-301 Introduction to Accounting

Accounting has often been called the language of business but now it has become everyone's need. Accounting is a language that communicates economic information to people who have an interest in an organization-managers, shareholders and potential investors, employees, creditors and the governments. Managers require information that will assist them in their decision-making and control activities, for example, information is needed on the estimated selling prices, costs, demand, competitive position and profitability of various products that are made by the organization.

**ITB-301 Introduction to Business**

The course aims to provide students with the basic knowledge of business and business functions of human resource management, accounting and finance, and marketing. It enables them to discuss issues of diversity in business and understand methods of financing business ventures.

MGT-301 Principles of Management

The course intends to acquaint the students with the basic concepts of the management. The main focus remains upon the management process, with elementary treatment of the course contents.

ACC-302 Financial Accounting

The primary aim of Financial Accounting is to provide students with an introduction to the process and function of financial reporting. Whilst a large proportion of the course is aimed at understanding accounting as a process, taking a preparers perspective, we will also seek to develop an understanding of the importance of the role of accounting in today's society.

PIS-301 Pakistan Studies

This course provides in-depth detail knowledge related to background and current scenario of Pakistan. Students will learn about the events that created the sense of awareness among the Muslims of India. At the end of the course students will be able to relate all major development for the creation of Pakistan and its constitutional developments in the relationship with neighbor and other develop countries

ECO-301 Microeconomics

The course attempts to demonstrate the relevance and usefulness of economic analysis to real world business situations. Emphasis is placed on optimal decisions making within the firm and the strategic relationship with other businesses.

BC-301 Business Communication (Written)

This course is designed to enhance the written and oral communication skills of the students. It provides different techniques of communicating effectively by giving knowledge of Seven C's, drafting internal and external messages, Presentations. It examines the theoretical and practical concepts of public speaking. The course will also help you prepare formal and informal reports.

MGT-303 Self Management Skills

It is a course designed in such a way that after completing this course a student will be able to, practice the art of positive thinking. Display problem-solving and decision-making skills at a personal level. Learn the art of effective negotiation. Understand the art of persuasion. Gain awareness of the leadership skills required for embarking on a managerial career. Despite promises of "fast and easy" results from professional marketers, real personal growth is neither fast nor easy. The truth is that hard work, courage, and self-discipline are required to achieve meaningful results—results that are not attained by those who cling to the fantasy of achievement without effort. This course reveals the unvarnished truth about what it takes to consciously grow as a successful human being. The course is fully equipped with practical, insightful methods for improving health, career, finances, and more.

BS-302 Business Statistics

The course is designed to give non-intimidating presentation of statistical concepts, principals and techniques most useful for students in business management. The main objectives of the course are to enhance students' competency in application of statistics to solve business management problems and to improve their level of quantitative sophistication for further advanced business analysis.



management problems and to improve their level of quantitative sophistication for further advanced business analysis.

ECO-401 Macro Economics

The basic theme of the course is to explore the operational functions of macro components of an economy within a business society.

BS-302 ORAL Communication

In this rapidly changing world communication has become very vital and important. Everyone has to contact each other for many reasons and without communication either for ourselves or on the behalf of the organization we cannot make progress in any sphere of life. "The persons we seek must have strong oral and written communication skills". From Chief Financial Officer to Product Manager, from Senior Economist to Personnel Analyst, from Senior Sales Representative to Petroleum Buyer – these positions will be filled by people who can communicate well. Focus will be on oral communication and presentation of students in the class in developing communication skills. As we all know, every message, whether verbal or nonverbal, communicates something about our values & ethics. skills.

SOC-302 Introduction to Sociology

This course basically tends to equip the students with such sociological concepts that will be fruitful for them while operating the businesses keeping in view the dimensions of the society.

MKT-301 Principles of Marketing

This course is designed to introduce foundations of marketing as they relate to the whole business enterprise. This course will focus on developing an understanding of key marketing concepts. The objective of this course, specifically, is to enhance the conceptual knowledge of marketing.



as applicable to decision making process with a focus on tactical marketing mix decisions. Further it will provide the student with a comprehensive framework to evaluate marketing decisions and to create successful marketing initiatives. The course, will therefore, provide an understanding of the principles of marketing in relation to the product and services including the planning process, organizing the marketing functions, implementing the marketing decisions keeping in mind the ethical, legal and societal consideration.

STI-401 Statistical Inference

The main objective of the course is to provide students with clear understanding of application of statistical inference in business management situations.

BSF-301 Business Finance

Business Finance course aims at imparting knowledge about the very basic concepts and tools of Business Finance. It emphasizes the importance of Business Finance skills to individuals and enterprises. It deals with the finance function in an organization, the role of the finance manager. This course develops an insight into financing and current assets management issues.

BS-302 Business Statistics

The course is designed to give non-intimidating presentation of statistical concepts, principals and techniques most useful for students in business management. The main objectives of the course are to enhance students' competency in application of statistics to solve business management problems and to improve their level of quantitative sophistication for further advanced business analysis.



ACT-401 Cost Accounting

Cost control is an important managerial function. The course gives an idea of various classifications of costs and cost accumulation systems. The course intends to acquaint the students with techniques of establishing cost-standards and analyzing cost-variances. The course provides a base for studying managerial accounting.

BAN-301 Money and Banking

The course is designed to introduce the student's financial and banking aspects of the business. The course gives an overview of monetary, the central reserve and commercial banking systems.

LAW-301 Business & Corporate Law

The course basically deals with the introduction of those commercial laws which are directly or indirectly related to Business. It includes a short study of contract law, partnership Act, companies' ordinance and Negotiable instrument. The emphasis in this course is to introduce the students with the basic concepts of conventional business law and its implementation in the contemporary financial institutions. The course is outlined in such a way to show the basic philosophy of conventional Business Law along with some examples from case study.

FIN-401 Financial Management II

This course aims at imparting knowledge about the fundamental concepts and tools of managerial finance. It emphasizes the importance of managerial finance skills to individuals and enterprises. You are expected to gain an initial understanding of the finance function in an organization, the role of the finance manager and the financial environment in which

the firm operates. The financial environment covers the understanding of financial and capital markets along with the broad orientation of macroeconomic factors affecting the business. The emphasis will remain on developing the skills for planning, appraising and evaluating the investment, financing and operating decisions.

MKT-401 Marketing Management

The objective of the course is to develop a critical appreciation of the basic concepts and techniques of marketing management and strategy with an emphasis on creating customer value and building customer relationships. The course develops concepts and skills necessary for marketing decision-making and illustrates how various decision-making tools apply to actual business situations. The goal of this course is to develop a disciplined process for addressing marketing issues and problems in a variety of settings, and to give students the tools and background necessary to think through marketing problems.

ORB-301 Organizational Behavior

Organizational behavior (OB) is an interdisciplinary field drawing from numerous disciplines including psychology, sociology, anthropology, economics, organization theory, statistics, and many others. Effective management of human resources within organizations requires an understanding of various behavior and processes. Managers need to know why people behave as they do in relation to their jobs, their work groups and their organizations. This knowledge of individuals' perceptions, motivational attitudes and behavior will enable managers to not only understand themselves better, but also to adopt appropriate managerial policies and leadership styles to increase their effectiveness.



BRM-501 Business Research Methods

Students should be able to gain familiarity with data collection procedures, data analysis and interpretation methods using latest computer software.

HRM-302 Human Resource Management

The modern business and not-for-profit organizations demand high caliber of human resource leaders and planners equipped with sound knowledge of personnel policies and procedures to motivate the workforce for higher efficiency and maximum productivity. In considering the demand, this course is designed to give an overview of current ideas and issues in human resource development. The core objective of the course is to provide students with clear thinking and understanding of how to plan, recruit, train, develop, appraise, compensate and lead human resource.

ACT-501 Managerial Accounting

The course aims to provide students with an understanding of the core concepts, principals and tools of management accounting and their application in managing business undertakings for decision-making, planning and controlling. Emphasis is placed on the applicability of these principles and techniques to develop plans and to control systems through accounting information systems.

ECO-403 Economies of Developing Countries

This course introduces the analysis of economic issues in development. It overviews the major topics in current economic policy discussions and furnishes general economic development framework. This course, in addition to acquainting a variety of major issues in contemporary economic development of fundamental importance to the developing countries, familiarizes the students with the concepts of





economic growth and development, and its determinants, so that upon completion of this course the students may understand the process of business decision-making in the light of overall economic and development environment.

MIS-401 Management Information Systems

The course will establish the concept of Information Technology and MIS in organizational structures. The major objective of this course is to present the "core" of system knowledge that all business school students should study. The major theme of the course is Information Systems for business purposes and the implications of computer technology for the management processes. This course would enable the students to interpret new information technology developments as these occur and anticipate and shape the structure of an organization's information system in recognition of the technology.

MGT-401 Total Quality Management

This course will give basic knowledge to the students about fundamental concepts of statistical process control, total quality management and the application of these concepts, philosophies, and strategies to issues arising in government and industry. It will enhance the student's understanding of the complexities of statistical analysis and control-chart interpretation and their work-place application and will provide skills in diagnosing and analyzing problems causing variation in manufacturing and service industry processes. It will also provide a basic understanding of "widely-used" quality analysis tools and techniques and create an awareness of the quality management problem solving techniques currently in use.

ACT-502 Auditing and Taxation

The course intends to enable the students to comprehend basic principles, procedures and techniques, and latest knowledge of auditing. To develop awareness of International Auditing Standards, to equip the students with latest tools and techniques in internal & external auditing. Introduces students to the concepts, principles, and practical applications of auditing in the business world. The course serves the needs of students planning to enter the accounting profession, particularly those who plan to pursue auditing careers. The study of basic auditing principles, including professional standards, basic auditing concepts, planning an audit, internal controls, sampling tools, fraud, auditing of financial statements and due diligence. By the end of the course the student should have developed a feel for the basic concepts of auditing. Moreover, the course emphasizes on understanding of the salient features of income tax, wealth tax capital value tax and general sales tax, procedures, laws and fundamental working in practice.

FIN-501 Financial Markets & Institutions

The course aims at providing insight into functioning of financial markets. The students are required to study the operations in policies and practices of national development financial institutions and international financial agencies.



MKT- 501 Consumer Behavior

Consumer Behaviour (CB) is a course designed to enhance students understanding of how and why consumers purchase (or do not purchase) goods and services. It will combine both the theoretical concepts of consumer behaviour and its application for marketing strategies related to private, public and non-profit sections. At the conceptual level it will seek to present an integrated framework around which major areas of consumer behaviour can be understood and applied. This course will explore and identify market identities and various sources of influence with the way consumers think and learn from market related information. The knowledge and understanding gained from this course can be utilized in the market place to make rational decisions to satisfy consumer needs and wants and remain loyal to products.

IB-402 International Business

This course provides the manager's perspective in the fields of international payments, international trade, and the analysis of investments. Emphasis is given to the materials and concepts that illuminate the strategies, structure, practices, and effects of multinational enterprises. The topics to be covered are: The Nature of International Business Management; Marketing to Customers with Diverse Cultural Backgrounds; operations in Diverse Political and Legal Environments; Finance in the International Marketplace; Human Resources and Employees of Diverse Cultural Backgrounds; and Strategy and Structure of International or Global Enterprises

MIS-402 Electronic Commerce

The course enables the students to know the concept of E - Commerce, the nature of virtual market space, and the use of Internet in business. It elaborates the various E - Commerce models that a company can embrace, the important security issues and the processes involved in E - Commerce.

ENT-501 Entrepreneurship

With more than half of the new jobs being created in the world economy by small businesses, the particular problems and experiences encountered in starting and developing new enterprises are clearly worth studying. This course of Entrepreneurship has been designed to provide the participants with an overall understanding of the concept of entrepreneurship and small business management. Participants will be prepared to start, survive, and succeed in their own businesses.

**Sahiyaan Hussain (Batch-2017)**

I am Sahiyaan Hussain. A graduate in Finance & Topper of BBA batch 2017-2020 from Gwadar Campus. Currently I am serving as Teaching Fellow in the Department of Management Sciences. During my education I never considered university as an institute but a home, which supported me in every stage and helped me grow and explore my potential. We have qualified teachers who are very supportive and dedicated towards student's development and creating excellent human resource for future opportunities. Furthermore, there are many scholarships for students to avail, in addition to that laptop schemes and study tours. I believe that university education is important for each individual so I urge the students to join University of Gwadar for bright future.



Tanveer Hussain (Batch-2017)

My name is Tanveer Hussain and I have completed my BBA from the Gwadar campus. It is an honour for me to be in the first batch of institution that is now the University of Gwadar. In those four years, I learnt a lot from my teachers. Being a student of Management Sciences was a dream for me, which was accomplished by the institution. The courage and friendly demeanour of the faculty motivated me a lot and boosted my creative and entrepreneurial skills, which would help me achieve my goals. As Nelson Mandela said,

“ Education is the most powerful weapon which you can use to change the world.”

I urge my friends to get admission to the University of Gwadar to pursue

This course is about learning of risk and failure and growing from it. It is about learning to forge one's ideas into workable business concepts, commit them to paper, and flesh them out into a reasonable form that can be tested to see if it could stand up to the demands of the market. The students must write at a top level, argue the potential of their ideas, and convince investors that their ideas are worth being born in the marketplace.

MGT-502 Production & Operation Management

The objectives of this course are to give deep knowledge to the students about excellence in management of operation / production system. Rapid changes in technology demand enhancement of production capabilities through new materials, facilities, support system, techniques and procedures. The course will also let them know about the considerations of customers, organization and society at large and how managing production system involves taking and implementing various decisions about organizational excellence at both strategic and operational levels.

BIN-501 Islamic Banking & Finance

The main emphasis of the course is to explain procedures and operations related to Islamic modes of lending and investment of financing.

FIN-601 International Financial Management

Students taking this course will learn the nature and purposes of financial management in the international context. They will gain skills in international investment and financing techniques and in exchange risk management. They will learn how to judge the riskiness of a currency from a firm's perspective, and how to measure and manage the company's exposure to exchange rate and international interest rate risks. They will discover how companies use banks, markets such as the Eurobond and currency option markets, and techniques such as currency swaps and hybrid bond structures. In the end, the goal is to apply state-of-the-art techniques to the international firm's investment, financing and risk management decisions.

MGT-502 Production & Operation Management

This course examines the functional area of production and operations management in the manufacturing industry. Topics include decision-making, capacity planning, aggregate planning, forecasting, inventory management, distribution planning, materials requirements planning (MRP), project management and quality control.

MGT-605 Strategic Management

This course, Strategic Management, is about the management of a firm's strategy. It is regarded as the capstone course in the MBA curriculum at business schools around the world. It is aimed at inculcating a strategic and visionary thinking among managers and executives, making themselves and their organizations successful. The course integrates students' knowledge and skills gained from other courses they have done in MBA. It requires them develop conceptual foundations of strategic management around formulation, implementation and evaluation of strategy. Using and applying the subject knowledge, they analyze integrated strategic management cases and offer solutions to the problems identified therein. For living, studying and managing in Pakistan, they study a public limited company (listed at Karachi Stock Exchange), identify its existing strategic direction, evaluate its current strategic performance, analyze its internal and external environments and develop a strategic plan for it. If done with true involvement, effort and passion, this course may redefine the learning experience of the students and pave way for their future success.

FIN-604 Treasury & Fund Management

The treasury in a financial institution or a company is responsible for the availability and economic management of funds. This course aims to provide students with an understanding of treasury functions in a multi-service Financial Institution, the practice, and procedures of various financial markets. It also aims to give students an understanding of the multiple types of risk and controls required for a bank that is active in trading treasury products and providing tailored treasury products for non-bank customers.

HRM-601 Training and Development

The course outline focuses on the theory and practice of training and development and its implications as a strategic reserve in learning organizations. It provides a broader overview of the planned processes, design, and methodologies for training and development in learning organizations. It also covers the contemporary approaches of knowledge management, diversity training, and career management systems of human capital for change in the organizational environment.

HRM-604 Conflict Management

This course helps the students to understand the nature and different approaches to conflict management in modern business organizations. It enables them to be aware of the impact of conflict on the performance and productivity of human resources in organizations. It equips them with various conflict management styles and skills to cope with conflicting situations at work.





Faculty of Sciences, Engineering & Technology

UNIVERSITY OF GWADAR PROSPECTUS 2021-22



Departments:

- Computer Science



Department of Computer Science

Programs:

- **BS in Computer Science**
- **BS in Information Technology**



Mr. Muhammad Akram

Chairperson (Acting)

MS Information Technology (Hamdard University Karachi, PK)

BS Computer Science (BUITEMS Quetta, PK)

Faculty

- **Mr. Muhammad Akram**
MS in Information Technology (Hamdard University Karachi, PK)
- **Ms. Haim Gul**
MS in Computer Science (Comsat University Islamabad, PK)
- **Mr. Mir Bilal Khan**
MS in Data Science (University of Hertfordshire , UK) In-Progress
- **Mr. Hafeez Ullah**
MS in Computer Science (MAJU Karachi, PK) In-Progress
- **Mr. Shayhaq Ali**
MS in Computer Science (MAJU Karachi, PK) In-Progress

Teaching Fellows

- **Mr. Nasir Ali Kalmati**
BS in Information Technology (Sindh University Jamshoro, PK)
- **Mr. Abdul Razziq**
BS in Computer Science (DIHE Karachi, PK)
- **Mr. Fareed**
BS in Computer Science (DIHE Karachi, PK)

The University of Gwadar's Department of Computer Science is one of the predecessor departments, have been established in 2017 as an undergraduate program in conjunction with the campus's opening. Computers and digital communication have become a fundamental component of the infrastructure of business, government, research, and even regular social contact as a result of the digital era.

Scientists hold the keys to the next generation's routine wonders, as the speed of innovation and technological growth accelerates.

The University of Gwadar's Department of Computer Science (CS) is well positioned to help those future intellectual leaders, entrepreneurs, thinkers, and innovators to succeed.

The University of Gwadar, as an institution, ensures that its students have a life-changing experience.

At the University of Gwadar, you can study computer science in a variety of ways to suit your needs. Whether you want an in-depth education in computer science's conceptual foundations and complex software and hardware systems, an informed understanding of the aesthetic aspects of digital media design, expertise in the design and analysis of the complex networks that are reshaping our society, or to learn more about artificial intelligence, computer vision, control systems, dynamics, machine learning, or the programming that will produce tomorrow's inn.

At our departmental events, presentations by outstanding leaders in their fields add rigour, breadth, and relevance to the research and education experience.

The University of Gwadar fosters an academic environment in which research and education are informed by one another.

We invite you to join us at the Department of Computer Science, which is an exciting place to be.



Department Mission

The Computer Science Department aspires to excellence in the creation, application, and transmission of knowledge in computer science, as well as the establishment of an exceptional community of students and teachers dedicated to innovative scientific and knowledge research and education for the benefit of participants, Gwadar, Pakistan, and the rest of the globe.

Objective of the department

- To offer high-quality, all-encompassing educational programs and services, as well as educational and training opportunities that may be tailored to meet changing demands.
- To give a solid foundation of information, skills, and critical thinking abilities as well as to understand and respect variety and differences.
- To connect basic principles to practical applications and to prepare students for work in a variety of settings or for further study and a profession requiring knowledge and skills in information technology.

The department offer following programs:

Bachelor of Science in (Computer Science)

Computer science is the study of the theory, experimentation, and engineering that form the basis for the design and use of computers. It is the scientific and practical approach to computation and its applications and the systematic study of the feasibility, structure, expression, and mechanization of the methodical procedures (or algorithms) that underlie the acquisition, representation, processing, storage, communication of, and access to information.

Computer Science is the application of a systematic, disciplined and quantifiable approach to the design, development, operation, and maintenance of software systems. It is in fact the practice of designing and implementing large, reliable, efficient and economical software by applying the principles and practices of engineering. The program aims to train students in all aspects of software life cycle from specification through analysis and design to testing, maintenance and evaluation of software.

Bachelor of Science in (Information Technology)

The program develops well-rounded scientific and educational workforce in the field of information technology, with a depth of knowledge and research capability. The course work is a good blend of theoretical and practical work that helps students acquire the capacity to critically examine an issue in terms of how to solve it in the most practical way. Students may improve their abilities by adopting new computer technologies via self-directed professional growth and training, as well as the capacity to communicate information effectively. On the basis of their learning and research, the program is created in such a manner that students are capable of applying their abilities to certain specialist areas after completing their studies and research.

Program Educational Objectives (PEO's) BS(CS), BS(IT)

The goal of the program is to produce entrepreneurs with great character, competence, vision, and drive who are equipped with up-to-date knowledge, marketable skills, valuable competencies, unique expertise, globally compatible dispositions, and culturally and professionally acceptable values to take on appropriate professional roles in the information technology domain or proceed to further or higher education or training. One of the program's primary goals is to provide students with the skills and knowledge necessary to take on appropriate professional positions in IT and advance to leadership positions.

- Apply computing and mathematics knowledge appropriate to the discipline.
- Analyze a problem and identify and define the computing requirements needed to solve it.
- Create, implement, and test a computer-based system, process, component, or programme to meet specific requirements.

- Work effectively in groups to achieve a common goal.
- Understand the professional, ethical, legal, security, and social issues and responsibilities.
- Communicate effectively with a variety of audiences.
- Examine the local and global impact of computing on individuals, organizations, and society.
- Recognize the importance of, and ability to engage in, continuing professional development.
- Apply current techniques, skills, and tools for computing practice.
- Utilize and apply cutting-edge technical concepts and practices in core information technologies.
- Identify and analyze user needs and incorporate them into the design, development, testing, and administration of computer-based systems.
- Integrate information technology-based solutions into the user environment.
- Understand best practices and standards, as well as how to apply them.
- Assist in the development of an efficient project plan.

Program Learning Outcomes (PLO's) BS(CS), BS(IT)

Computing programs prepare students to attain educational objectives by ensuring that students demonstrate achievement of the following outcomes.

(derived from Graduate Attributes define by Seoul Accord). Source: www.seoulaccord.org

Academic Education

To prepare graduates as computing professionals.

Knowledge for Solving Computing Problems

Apply knowledge of computing fundamentals, specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.



Problem Analysis

Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

Design/Development of Solutions

Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

Individual and Team Work

Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.

Communication

Communicate effectively with the computing community and with society at large about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

Computing Professionalism and Society

Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

Ethics

Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

Life-long Learning

Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.



Facilities for Computer Science Department

System Lab

The System laboratory is used mainly by seniors of Information Technology (IT) and Computer Science (CS) programs for developing their final year projects. This lab is equipped with 30 Core-i7 workstations running on Windows operating systems, network simulation software tools, Visual Studio 2020, and other simulation and development software. Students are allowed to add hardware and accessories according to their project requirements.

Admission Criteria

- At least 50% marks in Intermediate (HSSC) examination with Mathematics or equivalent qualification with Mathematics, certified by IBCC.
- OR**
- At least 50% marks in Intermediate (HSSC) examination with pre-Medical or equivalent qualification, certified by IBCC.

Deficiency

Students with pre-medical, must have to pass deficiency course of Mathematics of 3 credit hours in second semester.



Fee Structure of BS(CS) & BS(IT)

Sr. No	Detail of Charges	Amount
1	Admission Fee (One-time fee)	2,000
2	Tuition Fee	9,000
3	Security Money Refundable (Onetime fee)	2,000
4	Examination fee	250
5	Identity Card	200
6	Lab fee	2,000
7	Sports Fee	250
8	Transport Fee per semester	250
9	Library Fee	250
10	Total (First Semester Fee)	16,200
11	Fee per semester from 2 nd to 8 th	12,200



Degree Requirement for BS in (Computer Science)

For obtaining Bachelor of Science in Computer Science degree, a student has to complete Minimum 133-136 credit hours with a CGPA of 2.0 or above.

Course requirements for obtaining BS (CS) degree offered by Department of Computer Science are given below;

Course Category	Course Code	Course Title	Credit hours	Total Credits
Computing Core Courses	CS-221-221L	Programming Fundamentals	3+1	39
	CS-321-321L	Data Structures & Algorithms	3+1	
	CS-322-321L	Object Oriented Programming	3+1	
	CS-311	Discrete Structures	3+0	
	CS-312	Software Engineering	3+0	
	CS-323-323L	Computer Networks	3+1	
	CS-324-324L	Database Systems	3+1	
	CS-313	Information Security	3+0	
	CS-325-325L	Operating Systems	3+1	
	CS-471-472	Final Year Project	0+6	
Computer Science Core Courses	CS-342	Compiler Construction	3	24
	CS-425-425L	Comp. Organization & Assembly Language	3+1	
	CS-327-327L	Digital Logic Design	3+1	
	CS-343	Design & Analysis of Algorithms	3+0	
	CS-414	Parallel & Distributed Computing	3+0	
	CS-426-426L	Artificial Intelligence	3+1	
	CS-315	Theory of Automata	3+0	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Computer Science Supporting Courses	MT-311	Differential Equations	3+0	09
	MT-312	Multi-variate Calculus	3+0	
	CS-415	Graph Theory	3+0	
	CS-416	Theory of Programming Languages	3+0	
	CS-417	Numerical Computing	3+0	

Course Category	Course Code	Course Title	Credit hours	Total Credits
University Elective- Courses	SS-211	Introduction to Sociology	3+0	12
	SS-212	Introduction to Logic	3+0	
	SS-21X	Foreign Languages	3+0	
	ACT-211	Principles of Accounting	3+0	
	MG-212	Organizational Behavior	3+0	
	MG-213	Entrepreneurship	3+0	
	MG-214	Principles of Management	3+0	
	MG-341	Human Resource Management	3+0	
	MT-211	Basic Mathematics -I	3+0	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Science & Mathematics Foundation Course	PHY-211-211L	Applied Physics	2+1	12
	MT-212	Calculus & Analytical Geometry	3+0	
	MT-213	Linear Algebra	3+0	
	ST-211	Probability & Statistics	3+0	
Course Category	Course Code	Course Title	Credit hours	Total Credits
General Education Courses	ICT-221-221L	Introduction to ICT	2+1	09
	EG-211	English Composition & Comprehension	3+0	
	HM-211	Islamic Studies/ Ethics	2+0	
	EG-311	Communication & Presentation Skills	3+0	
	HM-212	Pakistan Studies	2+0	
	EG-312	Technical & Business Writing	3+0	
	HM-341	Professional Practices	3+0	

Course Category	Course Code	Course Title	Credit hours	Total Credits
CS Electives (Choose any five courses)	SE-345	Software Engineering Economics	3	15
	SE-346	Human Computer Interaction	3	
	CS-353-353L	Mobile Application Development	2+1	
	CS-354-354L	Computer Game Development	2+1	
	CS-355-355L	Visual Programming	2+1	
	CS-356-356L	Multimedia Technologies	2+1	
	CS-357-357L	Web Engineering	2+1	
	CS-421-421L	Enterprise Application Development	2+1	
	CS-422-422L	Systems Programming	2+1	
	SE-411	Software Quality Engineering	3	
	SE-412	Software Design and Architecture	3	
	SE-413	Software Project Management	3	
	SE-441	Data Warehousing	3	
	SE-442	Data Mining	3	
	CS-423-423L	Digital Forensics	2+1	
	CS-441	Cryptography	3	
	CS-451	Network Security	3	
	CS-424	Wireless Networks	3	
	CS-442-442L	Computer Vision	2+1	
	CS-358	Artificial Intelligence	3	
	CS-453-453L	Digital Image Processing	2+1	
	CS-454	Machine Learning	3	
	CS-341	Cloud Computing	3	
	CS-359	Network Design and Management	3	
	CS-431	Parallel & Distributed Computing	3	
	CS-411	Introduction to Data Science	3	
	CS-412	Blockchain Technology	3	
	CS-413-413L	Internet of Things	2+1	
CS-414-414L	System And Network Administration	2+1		
CS-425-425L	Advanced Databases	2+1		
Deficiency Course For Pre-Medical Students				
	MT-111	Basic Mathematics-II	3+0	3

Proposed Semester Wise Study Plan of BS in (Computer Science)

Tentative course offering plan for BS in (Computer Science) degree offered for Spring 2022 in given below in a semester wise format.

Course Code	Course Title	Pre-requisite	Credit Hours	
1 st Semester (Credit Hours-17)	MT-211	Basic Mathematics -I	None	3
	ICT-221	Introduction to ICT	None	2
	ICT-221L	Introduction to ICT Lab	None	1
	SS-212	Introduction to Logic (University Elective - I)	None	3
	EG-211	English Composition & Comprehension	None	3
	PHY-211	Applied Physics	None	2
	PHY-211L	Applied Physics Lab	None	1
	HM-211	Islamic Studies/ Ethics	None	2

Course Code	Course Title	Pre-requisite	Credit Hours	
2 nd Semester (Credit Hours-18)	MT-111	Basic Mathematics -II*	None	3
	CS-221	Programming Fundamentals	None	3
	CS-221L	Programming Fundamentals Lab	None	1
	CS-311	Discrete Structures	None	3
	EG-311	Communication & Presentation Skills	None	3
	MT-212	Calculus & Analytical Geometry	None	3
	HM-212	Pakistan Studies	None	2

Course Code	Course Title	Pre-requisite	Credit Hours	
3 rd Semester (Credit Hours-18)	CS-322	Object Oriented Programming	Programming Fundamentals	3
	CS-321L	Object Oriented Programming Lab	Programming Fundamentals	1
	CS-323	Computer Networks	None	3
	CS-323L	Computer Networks Lab	None	1
	ST-211	Probability & Statistics	None	3
	CS-327	Digital Logic Design	Applied Physics	3
	CS-327	Digital Logic Design Lab	Applied Physics	1
	MT-213	Linear Algebra	None	3

Course Code		Course Title	Pre-requisite	Credit Hours
4th Semester (Credit Hours-17)	CS-425	Comp Organization & Assembly Language	None	3
	CS-425	Comp Organization & Assembly Language Lab	None	1
	MT-312	Multi-variate Calculus	None	3
	CS-321	Data Structures & Algorithms	Programming Fundamentals	3
	CS-321L	Data Structures & Algorithms Lab	Programming Fundamentals	3
	CS-312	Software Engineering	None	3
	SS-211	Introduction to Sociology (University Elective - II)	None	3

Course Code		Course Title	Pre-requisite	Credit Hours
5th Semester (Credit Hours-17)	CS-324	Database Systems	None	3
	CS-324L	Database Systems Lab	None	1
	EG-312	Technical & Business Writing	None	3
	CS-325	Operating Systems	None	3
	CS-325L	Operating Systems Lab	None	1
	CS-417	Numerical Computing	None	3
	CS-315	Theory of Automata	None	3

Course Code		Course Title	Pre-requisite	Credit Hours
6th Semester (Credit Hours-16)	CS-426	Artificial Intelligence	Discrete Structure	3
	CS-426L	Artificial Intelligence Lab	Discrete Structure	1
	MT-311	Differential Equations	Calculus & Analytical Geometry	3
	CS-343	Design and Analysis of Algorithms	Data structure and Algorithm	3
	CS-313	Information Security	None	3
		CS Elective - I		3

Course Code	Course Title	Pre-requisite	Credit Hours	
7 th Semester (Credit Hours-18)	CS-471	Final Year Project – I	None	3
	CS-414	Parallel & Distributed Computing	Operating Systems	3
	CS-342	Compiler Construction	Theory of Automata	3
	ACT-211	Principles of Accounting (University Elective-III)	None	3
		CS Elective – II		3
		CS Elective – III		3

Course Code	Course Title	Pre-requisite	Credit Hours	
8 th Semester (Credit Hours-18)	CS-472	Final Year Project – II	None	3
	MG-213	Entrepreneurship (University Elective IV)	None	3
	HM-341	Professional Practices	None	3
		CS Elective – IV		3
		CS Elective-V		3

* Fsc (Pre-Medical) deficiency courses will not be counted toward the CGPA.



Degree Requirement for BS in (Information Technology)

For obtaining Bachelor of Science in Information Technology degree, a student has to complete Minimum 133-136 credit hours with a CGPA of 2.0 or above.

Course requirements for obtaining BS (IT) degree offered by Department of Computer Science are given below;

Course Category	Course Code	Course Title	Credit hours	Total Credits
Computing Core Courses	CS-221-221L	Programming Fundamentals	3+1	39
	CS-321-321L	Data Structures & Algorithms	3+1	
	CS-322-322L	Object Oriented Programming	3+1	
	CS-311	Discrete Structures	3+0	
	CS-312	Software Engineering	3+0	
	CS-323-323L	Computer Networks	3+1	
	CS-324-324L	Database Systems	3+1	
	CS-313	Information Security	3+0	
	CS-325-325L	Operating Systems	3+1	
	IT-471-472	Final Year Project	0+6	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Information Technology Core Courses	IT-321	Web Technologies	2+1	24
	IT-311	Information Technology Infrastructure	3+0	
	IT-351-351L	Database Administration and Management	3+1	
	IT-312	Information Technology Project Management	3+0	
	IT-352-352L	System and Network Administration	3+1	
	IT-341	Cyber Security	3+0	
	IT-353	Virtual Systems and Services	3+1	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Information Technology Supporting Courses	SE-341	Enterprise Systems	3+0	09
	SE-342	Modeling and Simulation	3+0	
	SE-343	Software Requirements Engineering	3+0	
	SE-344	Formal Methods	3+0	
	CS-391	Operations Research	3+0	

Course Category	Course Code	Course Title	Credit hours	Total Credits
University Elective Courses	SS-211	Introduction to Sociology	3+0	12
	SS-212	Introduction to Logic	3+0	
	SS-21X	Foreign Languages	3+0	
	MG-211	Principles of Accounting	3+0	
	MG-212	Organizational Behavior	3+0	
	MG-213	Entrepreneurship	3+0	
	MG-214	Principles of Management	3+0	
	MG-341	Human Resource Management	3+0	
	MT-211	Basic Mathematics -I	3+0	
Course Category	Course Code	Course Title	Credit hours	Total Credits
Science & Mathematics Foundation Course	PHY-211-211L	Applied Physics	2+1	12
	MT-212	Calculus & Analytical Geometry	3+0	
	MT-213	Linear Algebra	3+0	
	ST-211	Probability & Statistics	3+0	
Course Category	Course Code	Course Title	Credit hours	Total Credits
General Education Courses	ICT-221-221L	Introduction to ICT	2+1	09
	EG-211	English Composition & Comprehension	3+0	
	HM-211	Islamic Studies/ Ethics	2+0	
	EG-311	Communication & Presentation Skills	3+0	
	HM-212	Pakistan Studies	2+0	
	EG-312	Technical & Business Writing	3+0	
	HM-341	Professional Practices	3+0	

Course Category	Course Code	Course Title	Credit hours	Total Credits
IT Electives (Choose any five courses)	SE-345	Software Engineering Economics	3	15
	SE-346	Human Computer Interaction	3	
	CS-353	Mobile Application Development	2+1	
	CS-354	Computer Game Development	2+1	
	CS-355	Visual Programming	2+1	
	CS-356	Multimedia Technologies	2+1	
	CS-357	Web Engineering	2+1	
	CS-421	Enterprise Application Development	2+1	
	CS-422	Systems Programming	2+1	
	SE-411	Software Quality Engineering	3	
	SE-412	Software Design and Architecture	3	
	SE-413	Software Project Management	3	
	SE-441	Data Warehousing	3	
	SE-442	Data Mining	3	
	CS-423	Digital Forensics	2+1	
	CS-441	Cryptography	3	
	CS-451	Network Security	3	
	CS-424	Wireless Networks	3	
	CS-442	Computer Vision	2+1	
	CS-358	Artificial Intelligence	3	
	CS-453	Digital Image Processing	2+1	
	CS-454	Machine Learning	3	
	CS-341	Cloud Computing	3	
	CS-359	Network Design and Management	3	
	CS-431	Parallel & Distributed Computing	3	
	CS-411	Introduction to Data Science	3	
	CS-412	Blockchain Technology	3	
	CS-413	Internet of Things	(2+1)	
Deficiency Course For Pre-Medical Students				
	MT-111	Basic Mathematics-II	3+0	3

Semester Wise Study Plan of BS in (Information Technology)

Tentative course offering plan for BS in (Information Technology) degree offered for Spring 2022 is given below in a semester wise format.

Course Code	Course Title	Pre-requisite	Credit Hours	
1 st Semester (Credit Hours-17)	MT-211	Basic Mathematics -I	None	3
	ICT-221	Introduction to ICT	None	2
	ICT-221L	Introduction to ICT Lab	None	1
	SS-212	Introduction to Logic	None	3
	EG-211	English Composition & Comprehension	None	3
	PHY-211	Applied Physics	None	2
	PHY-211L	Applied Physics Lab	None	1
	HM-211	Islamic Studies/ Ethics	None	2

Course Code	Course Title	Pre-requisite	Credit Hours	
2 nd Semester (Credit Hours-18)	MT-111	Basic Mathematics -II*	None	3
	CS-221	Programming Fundamentals	None	3
	CS-221L	Programming Fundamentals Lab	None	1
	EG-311	Communication & Presentation Skills	None	3
	MT-212	Calculus & Analytical Geometry	MT-211	3
	CS-311	Discrete Structures	None	3
	HM-212	Pakistan Studies	None	2

* Deficiency courses for Fsc. Pre-Medical Students, shall not be counted in CGPA calculation

Course Code	Course Title	Pre-requisite	Credit Hours	
3 rd Semester (Credit Hours-17)	CS-321	Object Oriented Programming	CS-221	3
	CS-321L	Object Oriented Programming Lab	CS-221L	1
	CS-312	Software Engineering	None	3
	CS-323	Computer Networks	None	3
	CS-323L	Computer Networks Lab	None	1
	ST-211	Probability & Statistics	None	3
	MT-213	Linear Algebra	None	3

Course Code		Course Title	Pre-requisite	Credit Hours
4 th Semester (Credit Hours-17)	CS-324	Database Systems	None	3
	CS-324L	Database Systems Lab	None	1
	CS-321	Data Structures & Algorithms	CS-221	3
	CS-321L	Data Structures & Algorithms Lab	CS-221L	1
	SE-343	Software Requirements Engineering	CS-312	3
	CS-313	Information Security	None	3
	SS-211	Introduction to Sociology	None	3

Course Code		Course Title	Pre-requisite	Credit Hours
5 th Semester (Credit Hours-17)	IT-351	Database Administration and Management	CS-324	3
	IT-351L	Database Administration and Management Lab	CS-324L	1
	IT-311	Information Technology Infrastructure	None	3
	CS-325	Operating Systems	None	3
	CS-325L	Operating Systems Lab	None	1
	SE-341	Enterprise Systems	None	3
	MG-211	Principles of Accounting	None	3

Course Code		Course Title	Pre-requisite	Credit Hours
6 th Semester (Credit Hours-17)	EG-312	Technical & Business Writing	None	3
	CS-391	Operations Research	None	3
	IT-353	Virtual Systems and Services	CS-325	3
	IT-353L	Virtual Systems and Services Lab	CS-325L	1
	IT-352	System and Network Administration	CS-323	3
	IT-352L	System and Network Administration Lab	CS-323L	1
		IT Elective - I		3

Course Code	Course Title	Pre-requisite	Credit Hours	
7 th Semester (Credit Hours-18)	IT-471	Final Year Project-I	None	3
	IT-321	Web Technologies	CS-221	2
	IT-321L	Web Technologies Lab	CS-221L	1
	IT-312	IT Project Management	None	3
	IT-341	Cyber Security	CS-313	3
		IT Elective - II		3
		IT Elective - III		3

Course Code	Course Title	Pre-requisite	Credit Hours	
8 th Semester (Credit Hours-17)	IT-472	Final Year Project-II	None	3
	MG-213	Entrepreneurship	None	3
	HM-341	Professional Practices	None	3
		IT Elective - IV		3
		IT Elective - V		3



Core Courses

CS-221 Programming Fundamentals

This course is the first in the Introduction to Programming in C, but its lessons extend to any language you might want to learn. This is because programming is fundamentally about figuring out how to solve a class of problems and writing the algorithm, a clear set of steps to solve any problem in its class.

CS-321 Data Structures & Algorithms

A data structure is a named location that can be used to store and organize data. And, an algorithm is a collection of steps to solve a particular problem. Learning data structures and algorithms allow us to write efficient and optimized computer programs.

CS-322 Object Oriented Programming

This Specialization is for aspiring software developers with some programming experience in at least one other programming language (e.g., Python, C, JavaScript, etc.) who want to be able to solve more complex problems through object-oriented design with Java. In addition to learning Java, you will gain experience with two Java development environments (BlueJ and Eclipse), learn how to program with graphical user interfaces, and learn how to design programs capable of managing large amounts of data.



CS-311 Discrete Structures

Discrete mathematics forms the mathematical foundation of computer and information science. With this course students reach a certain level of mathematical maturity - being able to understand formal statements and their proofs; coming up with rigorous proofs themselves; and coming up with interesting results. The main topics of this course are (1) sets, functions, relations, (2) enumerative combinatorics, (3) graph theory, (4) network flow and matchings. It does not cover modular arithmetic, algebra, and logic, since these topics have a slightly different flavor and because there are already several courses on Coursera specifically on these topics.

CS-312 Software Engineering

Software engineering is the branch of computer science that creates practical, cost-effective solutions to computing and information processing problems, preferentially by applying scientific knowledge, developing software systems in the service of mankind. This course covers the fundamentals of software engineering, including understanding system requirements, finding appropriate engineering compromises, effective methods of design, coding, and testing, team software development, and the application of engineering tools.

CS-323 Computer Networks

This is an introductory course on computer networking. It focuses on explaining how the computer network works, ranging from how bits are modulated on wires and in wireless to application-level protocols. It also explains the principles of how to design networks and network protocols.

CS-324 Database Systems

Database Management Essentials provides the foundation you need for a career in database development. This course emphasized database concepts, developments, use and management in three main sections: database concepts, practice, and emerging trends. Relational database systems are the main focus, but other types, including object-oriented databases, are studied. Practical design of databases and developing database applications using modern software tools will be emphasized.

CS-313 Information Security

In this course you will explore information security through some introductory material and gain an appreciation of the scope and context around the subject. This includes a brief introduction to cryptography, security management and network and computer security that allows you to begin the journey into the study of information security and develop your appreciation of some key information security concepts.



CS-325 Operating Systems

This course covers the fundamental operating system abstractions, mechanisms, and implementations, Concurrent programming (threads and synchronization), inter-process communication, and an introduction to distributed operating systems are at the heart of the course.

IT-471-472 Final Year Project

The final year project is the culmination of the degree. It gives students a chance to demonstrate all they have learned. The project module is very different from other modules. Although students are supervised, the onus is on the student to define the problem boundaries, to investigate possible solutions, and to present the results in writing, verbally and in action.

CS-342 Compiler Construction

The compiler is the programmer's primary tool. Understanding the compiler is therefore critical for programmers, even if they never build one. Furthermore, many design techniques that emerged in the context of compilers are useful for a range of other application areas. This course introduces students to the essential elements of building a compiler: parsing, context-sensitive property checking, code linearization, register allocation, etc. To take this course, students are expected to already understand how programming languages behave, to a fairly detailed degree. The material in the course builds on that knowledge via a series of semantics preserving transformations that start with a fairly high-level programming language and culminate in machine code.



CS-425 Comp. Organization & Assembly Language

This course covers the principles of computer design and implementation, Instruction set architecture and register-transfer level execution, storage formats, binary data encoding, bus structure and assembly language programming.

CS-327 Digital Logic Design

This course introduces the concept of digital logic, gates and the digital circuits. Further, it focuses on the design and analysis combinational and sequential circuits. It also serves to familiarize the student with the logic design of basic computer hardware components.

CS-343 Design & Analysis of Algorithms

Introduction to fundamental techniques for designing and analyzing algorithms, including asymptotic analysis; divide-and-conquer algorithms and recurrences; greedy algorithms; data structures; dynamic programming; graph algorithms; and randomized algorithms.

CS-414 Parallel & Distributed Computing

This course will cover widely used parallel and distributed computing methods, focusing on datacenter-scale distributed software and methods such as Hadoop, MapReduce, Spark, and distributed graph algorithms. We'll study the types of algorithms which work well with these techniques, and have the opportunity to implement some of these algorithms. We'll also look at the types of hardware architectures which have been developed along with these computing methods.

**CS-426 Artificial Intelligence**

This course will introduce the basic principles in artificial intelligence. It will cover simple representation schemes, problem solving paradigms, constraint propagation, and search strategies. Areas of application such as knowledge representation, natural language processing, expert systems, vision and robotics will be explored.

CS-315 Theory of Automata

Automata Theory is a branch of computer science that deals with designing abstract computing devices and automata, as well as computational problems that can be solved using them, so that all follow a predetermined sequence of operations automatically.

Supporting Courses**IT-321 Web Technologies**

The World Wide Web is emphasized in this course as a platform for interactive applications, content publishing, and social services. The development of web-based applications necessitates knowledge of the underlying technology as well as the formats and standards on which the web is based upon.

IT-311 Information Technology Infrastructure

This course introduces computer hardware/software and communication networks.

It provides students with the knowledge and skills they need to effectively communicate with professionals whose special focus is on hardware and systems software technology, as well as to design organizational processes and software solutions that necessitate an in-depth understanding of the IT infrastructure capabilities and limitations. It also prepares students for organizational roles that require interaction with external IT infrastructure component and solution

IT-351 Database Administration and Management

Database administration is the function of managing the operational aspects of database systems and maintaining them. Database administrators work to ensure that applications make the most efficient use of databases and that physical resources are used adequately and efficiently. In this course, you will discover some of the activities, techniques, and best practices for managing a database. You will learn about configuring and upgrading database server software and related products.

IT-312 Information Technology Project Management

The concepts and use of project management tools, techniques and methodologies are becoming all pervasive. Using the framework of project life cycle, the course covers various aspects pertaining to (i) project initiation, (ii) project planning and scheduling, (iii) project monitoring and control, and (iv) project termination.

IT-352 System and Network Administration

This course introduces students to the common tasks performed by network and system administrators. You'll be exposed to basic network and system administration concepts and learn how to apply them in real-world scenarios.

IT-341 Cyber Security

this course introduces the concepts and understanding of the field of computer security and how it relates to other areas of information



technology. Topics include security threats, hardening systems, securing networks, cryptography and organizational security policies.

IT-353 Virtual Systems and Services

In this course you gain the knowledge and skills to successfully install, configure, manage, and deploy virtual servers and workstations in your organization. You will learn how to choose the proper virtual machine product for your environment, partition servers to isolate applications, improve portability and migration, and create entire testing labs within a single PC.

SE-341 Enterprise Systems

In this course we discuss what makes home computing systems different from enterprise computing systems. This course will cover how a computer security plays an important role in system management. At the end of the course, you will also be able to illustrate how different enterprise technologies play role in computing at an enterprise level. You will also be able to discuss the three pillars of the CIA triad and how they apply to enterprise systems.

SE-342 Modeling and Simulation

This course will introduce the theories and applications of computer modeling and simulation, focusing on discrete event system modeling and simulation. It covers basic concepts of systems modeling, in-depth discussions of modeling elements, simulation protocols, and their relationships.

SE-343 Software Requirements Engineering

This course is intended for software engineers, development and product managers, testers, QA analysts, product analysts, tech writers, and security engineers. Even if you have experience in the requirements realm, this course will expand your

knowledge to include new viewpoints, development styles, techniques and tools. In this course, students will be introduced to ways of eliciting requirements from stakeholders, how to analyze these requirements, conduct risk mitigation and analysis, prioritize requirements, document, and bring security concerns into the software lifecycle early on.

SE-344 Formal Methods

Formal methods are a methodology for the specification, analysis and verification of system behavior, both software and hardware. Specification is the process of describing a system and the functions it is expected to perform, whether before, during, or after its design. Analysis and verification use the specification of a system to confirm whether it satisfies its expected properties and/or determine conditions under which it does.

CS-391 Operations Research

Operations Research (OR) is a field in which people use mathematical and engineering methods to study optimization problems in Business and Management, Economics, Computer Science, Civil Engineering, Industrial Engineering, etc. This course introduces frameworks and ideas about various types of optimization problems in the business world. In particular, we focus on how to formulate real business problems into mathematical models that can be solved by computers.

MT-311 Differential Equations

Differential Equations are the language in which the laws of nature are expressed. Understanding properties of solutions of differential equations is fundamental to much of contemporary science and engineering. Ordinary differential equations (ODE's) deal with functions of one variable, which can often be thought of as time.



MT-312 Multivariate Calculus:

This course covers vector and multi-variable calculus. Topics include vectors and matrices, parametric curves, partial derivatives, double and triple integrals, and vector calculus in 2- and 3-space.

CS-417 Numerical Computing:

The approach involves formulation of mathematical models physical situations that can be solved with arithmetic operations. It requires development, analysis and use of algorithms. Numerical computations invariably involve a large number of arithmetic calculations and, therefore, require fast and efficient computing devices.

University Elective Courses

SS-211 Introduction to Sociology

In this course, students analyze the influence of the social environment on behavior and social life using the sociological perspective. Components of social structure and culture are critically examined; inequalities based on factors such as age, gender, race, ethnicity, and social class are also examined.

SS-212 Introduction to Logic

By taking Introduction to Logic and Critical Thinking you will improve your ability to identify, analyze, and evaluate arguments by other people (including politicians, used car salesmen, and teachers) and also to construct arguments of your own in order to convince others and to help you decide what to believe or do. These skills will help you determine when an argument is being given, what its crucial parts are, and what it assumes implicitly.

MG-211 Principles of Accounting

Basic principles of financial accounting for the business enterprise with emphasis on the valuation of business assets, measurement of net income, and double-entry techniques for recording transactions. Introduction to the cycle of accounting work, preparation of financial statements, and adjusting and closing procedures.

MG-213 Entrepreneurship

This course is designed to take you from opportunity identification through launch, growth, financing and profitability. The course will help to develop an entrepreneurial mindset and hone the skills you need to develop a new enterprise with potential for growth and funding, or to identify and pursue opportunities for growth within an existing organization.

MT-211 Basic Mathematics -I

Mathematics is a foundation course which is the science and study of quality, structure, space, and change.

Science & Mathematics Foundation Courses**PHY-211 Applied Physics**

This course equips the students with the applied concepts of the Physics. Course brushes the basic knowledge of students by starting from the basic concepts and then progresses gradually toward the advance concepts. By the course completion, students would have developed good understanding of Physics fundamentals.

MT-212 Calculus & Analytical Geometry

The course emphasises the key ideas and historical motivation for calculus, while at the same time striking a balance between theory and application, leading to a mastery of key threshold concepts in foundational mathematics.





Saima Younus (Batch-2017)

I'm Saima Younus, an alumna of the Department of Computer Science at the Gwadar Campus. From an early age, I strived to be an innovative individual. Studying information technology has always been my passion. I always wanted to have a career in the information technology industry. Pursuing my BS (IT) degree from the institute was one of the best decisions I've ever made. Because the innovative environment of UG has furnished me with strong foundational knowledge and skills. The experience has developed my perspective and enhanced my views. The institute helped me prepare myself to get into the workforce and grow as an individual. I learned to turn my knowledge into action. Studying technology is a process of innovative thinking. The academic environment at the institute facilitates students' turning their passion for technology into an industrious career. The faculty here invest a lot in students and are generous with their time as they use their meticulous approach to exceptionally enlighten the students. Being a student at the institute was a

MT-213 Linear Algebra

The course will cover both basic theory and applications of linear algebra. Some of the important topics in this course include: systems of linear equations, vector and matrix operations, vector spaces, linear transformation, determinants, eigenvalues, and eigenvectors.

ST-211 Probability & Statistics

In this course students will learn the basic concepts of statistics and the logic of statistical reasoning. Designed for students with no prior knowledge in statistics, its only prerequisite is basic algebra. Includes a classical treatment of probability.

General Educational Courses

ICT-221 Introduction to ICT

Overview of computer Systems hardware, operating systems, and microcomputer application software, including the Internet, word processing, spreadsheets, presentation graphics, and databases.

EG-211 English Composition & Comprehension

In the course students will learn how to read carefully, write effective arguments, understand the writing process, engage with others' ideas, cite accurately, and craft powerful prose.

EG-311 Communication & Presentation Skills

This course will help you improve your professional communication in English for successful business interactions. The course focuses on a particular area of communication in English: writing emails, speaking at meetings and interviews, giving presentations, and networking online. Whether you want to communicate to potential employers, employees, partners or clients, better English communication can help you achieve your language and professional goals.

EG-312 Technical & Business Writing

In the course you will learn how to write different technical reports, e.g., laboratory reports, research reports, design and feasibility reports, progress reports, consulting reports, etc. The course also approaches several language, structure, style, and content issues that you can encounter while reporting the results of your research.

HM-341 Professional Practices

This course will review, through practice, the application of professional trade customs associated with the visual arts. The experience is intended to give students an understanding of production, procedures



and business practices relevant to creative professionals. Students will learn the basics of managing creative practices such as design and/or illustrative work from initial client contact to project completion.

Information Technology Elective Courses

SE-346 Human Computer Interaction

This course covers the principles of human-computer interaction and the design and evaluation of user interfaces. The course will cover World Wide Web design principles and tools, computer-supported cooperative work, multimodal and "next generation" interfaces, speech and natural language interfaces, and virtual reality interfaces.

CS-353 Mobile Application Development

Mobile application development is the process to making software for smartphones and digital assistants, most commonly for Android and iOS. The software can be preinstalled on the device, downloaded from a mobile app store or accessed through a mobile web browser. The programming and markup languages used for this kind of software development include Java, Swift, C# and HTML5.

CS-356 Multimedia Technologies

in this course, you will learn the principles of video and audio codecs used for media content in iTunes, Google Play, YouTube, Netflix, etc. You will learn the file formats and codec settings for optimizing quality and media bandwidth and apply them in developing a basic media player application.

CS-357 Web Engineering

The course will cover the structure and functionality of the world wide web, creation of dynamic web pages using a combination of HTML, CSS, and JavaScript, apply essential programming language concepts when creating HTML forms.



Fatima (Batch-2017)

I'm really honored to be part of one of the most prestigious university in Balochistan. This university is one of those institutions where you not only learn skills regarding your field but it also enables the students to learn skills and abilities which help them in their professional and social life. I found everyone really helpful in my four year journey. The lecturers were well-experienced, professional and very cooperative. Whenever I needed any kind of help and guidance, they were always available to assist me. I am really proud and lucky that I completed my BS(IT) degree in such a prestigious university where I became a successful computer programmer and a good human being too. I really appreciate my teachers who devoted their time and efforts, made my journey successful and memorable.

SE-441 Data Warehousing

A data warehouse is a type of data management system that is designed to enable and support business intelligence (BI) activities, especially analytics. Data warehouses are solely intended to perform queries and analysis and often contain large amounts of historical data.

CS-424 Wireless Networks

The course addresses the fundamentals of wireless communications and provides an overview of existing and emerging wireless communications networks. It covers radio propagation and fading models, fundamentals of cellular communications, multiple access technologies, and various wireless networks, including past and future generation networks.

CS-358 Artificial Intelligence

In this course you will learn what Artificial Intelligence (AI) is, explore use cases and applications of AI, understand AI concepts and terms like machine learning, deep learning and neural networks. You will be exposed to various issues and concerns surrounding AI such as ethics and bias, & jobs, and get advice from experts about learning and starting a career in AI. You will also demonstrate AI in action with a mini project.

CS-454 Machine Learning

Machine learning is the science of getting computers to act without being explicitly programmed. In this course, you will learn about the most effective machine learning techniques, and gain practice implementing them and getting them to work for yourself. More importantly, you'll learn about not only the theoretical underpinnings of learning, but also gain the practical know-how needed to quickly and powerfully apply these techniques to new problems.

**CS-359 Network Design and Management**

This course will prepare students to design and manage various aspects of organizational network. Network design refers to the planning of the implementation of a computer network infrastructure. While Network management is the process of administering and managing computer networks.

CS-411 Introduction to Data Science

This course will introduce you to what data science is and what data scientists do. You'll discover the applicability of data science across fields, and learn how data analysis can help you make data driven decisions.

CS-341 Cloud Computing

This course introduces you to the core concepts of cloud computing. You gain the foundational knowledge required for understanding cloud computing from a business perspective as also for becoming a cloud practitioner. You understand the definition and essential characteristics of cloud computing, its history, the business case for cloud computing, and emerging technology usecases enabled by cloud. We introduce you to some of the prominent service providers of our times (e.g. AWS, Google, IBM, Microsoft, etc.) the services they offer, and look at some case studies of cloud computing across industry verticals.

CS-412 Block Chain Technology

In this first course of the specialization, we will discuss the limitations of the Internet for business and economic activity, and explain how blockchain technology represents the way forward. After completing this course, you will be able to explain what blockchain is, how it works, and why it is revolutionary. You will learn key concepts such as mining, hashing, proof-of-work, public key cryptography, and the double-spend

problem. You'll be able to describe seven design principles for blockchain technology, and the challenges facing the people developing it. You'll also meet the players in the blockchain ecosystem, and consider your own role in stewarding the blockchain revolution.

CS-413 Internet of Things

Internet of Things (IoT) origin, vision and definition. Application domains, use case scenarios and value propositions. Functional blocks of IoT systems: devices, communications, services, management, security, and application. Architectural reference model and design methodology. IoT Devices: sensors, actuators and embedded systems. Communications aspects of IoT systems: Internet infrastructure; wireless local area networks; radio access networks; wireless personal area networks; wireless sensor networks; wireless communication in vehicular environments; 5G. Current IoT frameworks and underlying architectures. Data storage and analytics. Web services. IoT system management tools. Security aspects of IoT systems. Open issues.



OFFICE OF THE STUDENT AFFAIRS



Ms. Sadia Naseer

Incharge Student Affairs

M.Phil in Education (AKUED Karachi, PK)

Student Support Services (SSS) are the important components for students that stimulate and support students at university of Gwadar. SSS are the hub of all academic and non-academic activities and student centered services to maximize student potential by polishing their talents and skills, evolving them to participate and represent inside and outside university across the globe.

- The respective office offers counselling services that assist, guide and help to address the challenging areas of one's life in both socially and academically.
- Provide quality activities, programming that facilitate leadership skills to make an outstanding and productive impact through living-learning experiences.

While we believe in the highest standards of academic excellence, the office of student Affairs at university of Gwadar is all about grooming the students to become true educators and good advisors at all perspectives.



QUALITY ENHANCEMENT CELL



Ms. Shah Naz Noor

Deputy Director Quality Enhancement Cell

M.Phil in Education (Iqra University Karachi, PK)

Introduction

The Quality Enhancement cell at University of Gwadar strives its best to assess the ongoing process of educational activities for improvement in the standards of teaching, learning, research and other aspect of governance in order to maintain the quality education. The University of Gwadar management focuses on all domain which are vital for the progress and to maintain the standards. The QEC unit is continuously coordinating with other stakeholders to meet the need.

Mission

The mission of QEC at University of Gwadar is to ensure quality education with respect to the standards set by the stakeholders (Higher Education Commission and Accreditation bodies) for the award of degrees, management and other requirements. To enhance the competency of this unit it is also the University management with consistent coordination to link with the modern trends to produce the skilled human resource.

Objectives

- To improve and maintain academic standards.
- To develop quality assurance procedure to evaluate the standards of awards are being maintained and applied.
- To develop procedures for monitoring and evaluation of program, faculty performance and students perception.
- To Maintain the overall performance of institution through monitoring, assessment and feedback.
- To conduct different kind of professional development training and workshops to enhance the performance of different stakeholders.
- To affirm whether curriculum, subject and staff recruitment, research and other activities are being conducted as per higher education commission guideline.

OFFICE OF RESEARCH INNOVATION AND COMMERCIALIZATION



Mr. Saghir Naseem

Incharge ORIC

MS in Management Science (SZABIST Karachi, PK)

Introduction

Higher Education Commission (HEC) intends to create and sustain a dynamic and internationally competitive research sector in Pakistan that contributes significantly to economic prosperity, national well-being, and knowledge expansion and dissemination. One of the HEC's primary strategic goals is to promote research.

The HEC's program and initiatives for strengthening research and the process of knowledge creation have resulted in remarkable improvements in the quality and quantity of research output from the country's universities and institutes, and Pakistan has been recognized as a rising star in a number of research disciplines in terms of percentage increase in internationally cited research publications. The office of research innovation and commercialization (ORIC) at the University of Gwadar was established in accordance with the Higher Education Commission's (HEC) goals of making a significant contribution to economic prosperity, national well-being, and knowledge expansion.

Mission

The Office for Research's mission is to develop, expand, improve, and manage the university's research programs, as well as to link research activities directly to the university's and the broader community's educational, social, and economic priorities. The office is also in charge of ensuring that the quality of research meets the highest international standards and elevates the university's standing among the world's best research institutions.

Furthermore, the office aspires to be the best research Centre in the region, as well as to establish and maintain productive relationships and linkages with governmental agencies, international academic and governmental agencies, private sectors, industries, elementary and secondary schools, and colleges. Furthermore, the office's core values would remain innovation and idea generation, patents, and innovation.

The Office of Research is responsible for ensuring that all research programmes and policies reflect the core values of academic freedom, professional integrity, and ethical conduct, as well as full compliance with all university policies, legal requirements, and operational standards.

Goals

The main objectives of the ORIC at UG are as follows:

- To develop and implement the university's strategic research direction and policies.
- Expanding and diversifying research funding.
- To foster an environment in which research continues to be an important component of academic activities at UG.
- Ensure that high-quality research that is directly relevant to Pakistan's needs is conducted.
- To make it easier to establish connections between UG and industry.
- Informing faculty and students about available research funding opportunities.
- To encourage and assist UG researchers/faculty in obtaining research grants from the public and private sectors.
- Assist in the timely completion of funded research and development projects.
- Maintain effective and productive communication channels with funding agencies.
- Facilitate and support UG researchers in the publication and presentation of their research work through participation in research activities in order to meet industry needs.
- To improve/strengthen the university-industry relationship.
- Holding national and international conferences/seminars/sessions.
- To assist students in obtaining funding for their research projects.



HOW TO GET TO UNIVERSITY OF GWADAR

From Gwadar city, follow the Jinnah Avenue till you reach at roundabout of GDA mosque, turn left and follow Pishukan Avenue. On two minutes drive there is another roundabout near Allama Iqbal Open University, then turn right, Gwadar University is in right at one minutes drive.



DISCLAIMER

The University of Gwadar makes all reasonable efforts to offer the academic program and other services and facilities specified in this prospectus in the way they were described at the time of printing. However, the University reserves the right to make modifications deem as necessary.

The University also has the right to adjust admissions standards, course scheduling, degree requirements, and other student restrictions. These rules apply to all students, existing and incoming, and are decided by University policy. In case of discrepancy between the prospectus and the institution's policies or program are resolved by university judgement. The prospectus is not part of any contract between the University and individual.

Undergraduate Prospectus Committe

Editor-In-Chief:

Prof. Dr. Abdul Razzaq Sabir (TI)

Editor:

Mr. Muhammad Akram

Sub-Editor:

Mr. Abdul Majid

Layout & Design:

Mr. Nasir Ali Kalmati

Photographer:

Mr. Aamir Imam Bakhsh

For further information & updates, please contact or visit website:

The admission office, University of Gwadar, Balochistan

Gwadar-91200, Balochistan, Pakistan.

Tel: (086) 4410090, Fax: (086) 4410090, Email: admissions@ug.edu.pk

<https://www.facebook.com/uogwd>

<https://twitter.com/uniofgwd>

<https://www.ug.edu.pk>

<https://www.instagram/uniofgwd>

Published and Issued By

University of Gwadar, Gwadar Balochistan



**UNIVERSITY
OF GWADAR**

2021-22

PROSPECTUS

Bachelor's Degree Programs



Sarawan Avenue, New Town Phase IV
Gwadar (Balochistan)



info@ug.edu.pk



086-4410090



www.ug.edu.pk