PROSPECTUS
2019-20

The
University of Haripur
Restoring Hope; Building Community

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Document Produced, Designed & Formatted by:
Salman Khan (Director P&D)
Muhammad Fawad (Deputy Provost)

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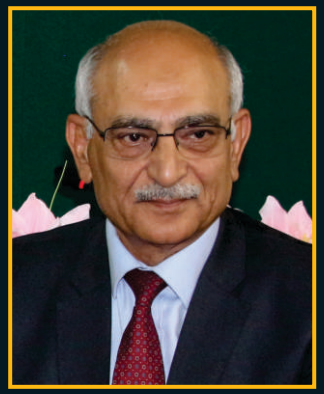
VICE CHANCELLOR'S MESSAGE



We are living in a time of unprecedented scientific, technical and technological advancement, yet we are faced with critical issues that threaten our welfare, development and survival. Shaping human attitudes and behaviors towards resolving issues, restoring hope and building community within a given geographical sphere is a global challenge. It becomes particularly urgent when society at large is being driven to a state of extreme hopelessness. In such a situation, the community will welcome any initiative aimed at the improvement of their livelihood and promises solution of their local problems.

Mere acquisition of resources doesn't drive economies and impact people's life standards any more. It is the investment in Higher Education sector and applied scientific research that impacts people, drives economies, sustains growth, inculcates positive changes in attitudes and ensures all round development within a society. The higher education institutions play a decisive role in leading the nations towards position of honor, prestige and strength. The depth and interdisciplinary nature of research at institutes of higher learning spark creative, imaginative and inventive insights and offers solutions to real life problems.

Having emerged in July 2012 on the Higher Education landscape of Pakistan, the University of Haripur (UOH), envisions a research based, quality conscious and demand driven future to acquire excellence in diverse fields to restore hope and build community at large. We aspire to achieve and maintain high standards in every sphere of our teaching and promote an open, collaborative and novel culture of applied scientific inquiry to improve the lives and livelihoods of the people.

Lying at the confluence of two industrial estates (namely Hattar Industrial Estate and Gadoon Amazai Industrial Estate) and the main CPEC route, the University of Haripur enjoys unprecedented strategic importance. We believe that UOH is not just as a hub of knowledge, rather a place of higher learning having a profound role in influencing community and creating a climate for socio-economic development.

To establish and promote an innovative and research based culture, where scientific dreams are transformed into reality, UOH has carved out its Strategic Plan (2014-2019) marked by a bond among academia, industry and community. We want to present our country with a different sort of enlightened minds, responsible citizens and trained human resource. We mean to make a difference. In this regard, we are heavily investing in our physical and technological infrastructure development, promotion of applied scientific research, human resource development, and establishment of linkages with institutions/ organizations of global repute and placement of an efficient, transparent and credible management set up.

Another feather in UoH cap is the digitalization of its academic, research and administrative business. Through Enterprise Resource Planning (ERP) project the whole UoH business has been computerized.

We are all open to help, support, guidance and facilitation. Let's join hands to take UOH to new heights of academic horizons and research vistas. It is just beginning of a new journey in the realm of education and technology. May Allah Almighty help and guide us. Ameen

Prof. Dr. Anwar-ul-Hasan Gilani (SI)
Vice Chancellor
The University of Haripur

IBN SINA BLOCK
Dept. of Information Technology
Dept. of Management Sciences
Dept. of Economics
Dept. of Psychology
Iqbal and Jinnah Hall
Faculty
DEPARTMENT OF PURE & APPLIED MATHEMATICS

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THE UNIVERSITY OF HARIPUR AT A GLANCE

INTRODUCTION

The existing campus of UoH covers an area 236 Kanals and was in the administrative control of Forest Development Corporation (FDC), Khyber Pakhtunkhwa till January, 2008. This was Rosin and Turpentine factory being established in 1953 for the purpose of fulfilling rosin and turpentine requirements of Hazara region in particular and rest of the country in general. Due to non-availability of raw material the factory was abandoned in 1980 and remained idle for almost two and a half decades.

In view of its strategic location (lying at the confluence of two industrial zones namely Hattar and Gadoon industrial estates), availability of necessary infrastructure and reasonably sufficient land available for future expansion, it was felt seriously to make efficient use of the former factory. The then Vice Chancellor, Hazara University initiated dialogues with the provincial government and FDC and finally the factory was handed over to Hazara University and was given the status of Haripur Campus-Hazara University on March 8, 2008.

The academic journey in Haripur Campus started in April, 2008 with initial enrollment of 150 students in 03 academic departments. Since then till 2012 significant growth were witnessed in diverse spheres and the number of students raised to over 1600 in 07 academic departments. Similarly the number of faculty members raised from 05 in 2008 to 83 in 2012 (of which 18 were PhD, 30 MS/Mphil and 35 M.A/M.Sc). In view of significant growth and tremendous students from district Haripur and its adjoining areas, the Haripur campus came up with three clear and distinguished features;

- Firstly, it proved that there is huge potential at Haripur campus to attract thousands of students from Haripur and its adjoining districts. It attracted more than sixteen hundred students in just seven academic departments functional over a period of 04 years. This enrollment could boost by 2-3 times.

- Secondly, the number of female enrollment in different programs being offered is more than 67%. This high enrollment ratio of female students, even lacking hostel facilities at campus, clearly indicates the potential for female education demand in Haripur and its adjoining cities.

- Third and lastly, the commencement of postgraduate programs (M.Phil/Ph.D) in Environmental Sciences, Agriculture, Education and Islamic and Religious Studies has proved highly successful. It was estimated that enrollment will rise up to 5000 with commencement of five more departments in two year.

The scenario elaborated above provided strong basis for the up-gradation of Haripur Campus to the status of an independent public sector university. The case was taken up by the HED-KPK and on March 24, 2012 the project for UoH was approved followed by passing of Act from KPK assembly on July 04, 2012. The first Vice Chancellor was appointed on September 04, 2012 and UoH was formally recognized as an independent Public Sector University by HEC on January 10, 2013.

VISION, MISSION & STRATEGIC GOALS

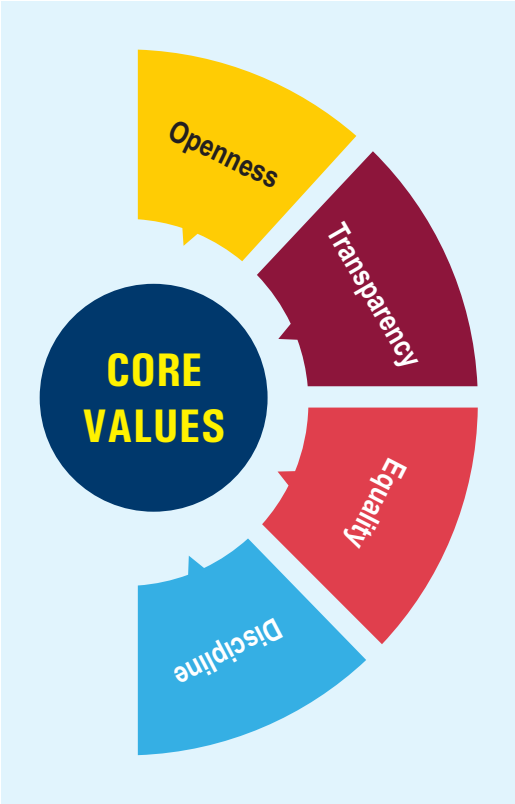
Vision The University of Haripur envisions a research based quality conscious, demand driven future to acquire excellence in diverse fields to restore hope and build community at large

Mission	To achieve and maintain high standards in every sphere of academics and promote an open collaborative and novel culture of scientific inquiry to improve the lives and livelihoods of the people through sustainable development
Strategic Goals	Create an enabling environment for conducive learning to find solutions of current day's problems and prevention of new ones through sustained supply of trained human resources to the national and international arena:

1. Provide quality education to prospective students that inculcates positive changes in their attitudes towards national development
2. Promote scientific research to acquire excellence in various fields of study
3. Establish a community of outstanding scholars, teachers and administrative staff to promote and maintain distinction
4. Establish network and coordination with leading national and international institutes to share experiences for academic and research excellence
5. Contribute to national development through incorporation of academic and research findings into national policies and strategies

CORE VALUES

The establishment of University of Haripur (UoH) as providing opportunity for strengthening and extending the important relationship between modern sciences and Islamic, social action and thus providing a platform for a more just and prosperous world. UoH is envisioned potentially to provide a tangible symbol of resurrection hope for the Muslim ummah. By determining that it shall be a university for the whole of Pakistan and be accessible to all who are qualified-irrespective of their religious stance. It will also stand for peace and unity. With this recognition in mind the University of Haripur will follow the following core values in its day-to-day routine official business and management.



Openness:
The University will observe openness as core value in its official business. Openness to foreign values, religious beliefs, ethnic profiles, changes in government policies, plans and programs. Each and every aspect of the official business shall have a built in resilience mechanism to accommodate itself in the changing circumstances.

Transparency:
The University shall observe and ensure transparency in every sphere of its academic/ administrative set up. Each and every aspect of the official business shall have a clear, fair and transparent procedure/system to achieve and sustain excellence in diverse fields.

Equality:
By determining that University of Haripur shall be for the whole of Pakistan. Everyone belonging to diverse corners of the country, having varied social, cultural, economical and religious backgrounds, gender etc fulfilling the required criteria and standards shall have equal opportunities to avail educational, research and work facilities.

Discipline:
The University will observe, maintain and sustain discipline in every field to acquire high standards in its administration, academic and research area. This will ensure sustainability in every effort, approach and action for the pursuance of University mission accomplishment.

Current Academic Programs

Faculties	Departments	Programs
Faculty of Basic and Applied Sciences	❑ Department of Environmental Sciences ❑ Department of Agricultural Sciences ❑ Department of Forestry and Wildlife Management ❑ Department of Geology ❑ Department of Information Technology ❑ Department of Medical Lab Technology ❑ Department of Microbiology ❑ Department of Public Health ❑ Department of Pure & Applied Mathematics	❑ BS(Hons.), MSc, MPhil, PhD in Environmental Sciences ❑ BSc (Hons.), MSc (Hons.), PhD in Agricultural Sciences ❑ BS (Hons.) and MPhil in Forestry and Wildlife Management ❑ BS (Hons.) in Geology ❑ BCS (Hons.) MCS, MS and BS (Software Eng.) in the Department of IT ❑ BS(Hons.) MSc. and MS in MLT ❑ BS (Hons.) MSc., MPhil & PhD in Microbiology ❑ BS (Hons.) and MSc. in Public Health ❑ BS (Hons.) and MS in Mathematics
Faculty of Social and Administrative Sciences	❑ Department of Management Sciences ❑ Department of Economics ❑ Department of Education ❑ Department of Psychology ❑ Department of Islamic and Religious Studies	❑ BBA, MBA, MS and PhD in Management Sciences ❑ BS Accounting & Finance ❑ BS (Hons.) and MSc. in Economics ❑ BEd, MEd, MPhil and PhD in Education ❑ BS (Hons), MSc. and PG Diploma in Psychology ❑ BS (Hons), MA and MPhil in Islamic and Religious Studies

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Faculty of Basic & Applied Sciences

" True science discovers GOD waiting behind every unexplored door"

Pope Pius XII

The University of Haripur

Restoring Hope; Building Community

AGRICULTURAL SCIENCES

- Department of Entomology
- Department of Horticulture
- Department of Agronomy
- Department of Food Sciences
- Department of Plant Breeding & Genetics
- Department of Soil Sciences

DEPARTMENT OF ENTOMOLOGY

Introduction:

Entomology is the study of insects. It is an interdisciplinary life science that contributes much to our understanding of life, our environment, and the well-being of our society. Insects are the predominant species on Earth, representing the greatest biodiversity with more than one million known species. Not surprising, insects significantly affect human civilization, whether the impact is positive, such as pollination of our food plants, or negative, such as competition with our food supply or carriers of major human diseases.

Mission:

Our mission is to conduct outstanding research on insect science that will improve human health, quality of life, and the sustainability of our food and ecosystems.

Objective:

The basic objective of the department is provision of quality education with the aim of producing trained and skilled human resources, in various fields of Entomological sciences through experimental approaches and methodologies.

ACADEMIC PROGRAMS:

The Department of Entomology is offering admission in the following academic programs:

(i) BSc. (Hons.)

The students intend to take admission in BSc. (Hons.) Agriculture Program should have passed Intermediate (Pre-Medical or Pre-Engineering) with at least 2nd Division and he/she have no third division in the academic career. The University of Haripur will arrange a general test for admission in the BSc. (Hons) Agriculture Program with the help of ETEA (Education Testing and Evaluation Agency), Peshawar.

(ii) MSc. (Hons.) Entomology

A candidate seeking admission to the course for the MSc should have passed Bachelor Degree Examination in aggregate with CGPA of 2.50 or its equivalent for M.Sc. (Hons.) Agriculture Entomology, and 45% marks or its equivalent relating to the subject. He/she must have passed subject NTS test arranged by the University of Haripur with 50% marks.

(iii) PhD. Entomology

A candidate seeking admission to PhD must have MSc. (Hons.) Degree Examination or an equivalent examination in 1st division or 3.00/4.00 CGPA from a recognized institution in a field of study related to the subject, he desires to take up. They must have passed GAT (Subject) with at least 60% marks. The in-service candidates have to get NOC from their employer and study leave for this purpose.

Scheme of Studies for BSc. (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
AGRON-101	Basic Agriculture	3(2+1)
ENG-101	English – I (Functional English)	3(3-0)
AEC-101	Principles of Agricultural Economics	3(3-0)
SES-101	Introduction to Soil & Environmental Science	3(2-1)
BB-101	Functional Biology -1	3(3-0)
MATH-101	Mathematics -1 (Algebra)	3(3-0)
HORT-101	Introductory Horticulture	3(2-1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PBG-201	Introductory Genetics	3(2-1)
AERD-201	Introduction to Agriculture Extension Education & Rural Development	2(2-0)
IS-101	Islamic Studies	2(2-0)
AS-301	Animal and Poultry Husbandry	2(2-0)
IT-201	Introduction to Information & Communication technologies	3(2-1)
ENG-201	English -II (Communication skills)	3(3-0)
BZ-201	Functional Biology - 2 /	3(3-0)/
MATH-201	Mathematics-II (Calculus)	3(3-0)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
AGRON-301	Field Crop Production	3(2-1)
PBG-301	Introductory Plant Breeding	3(2-1)
ENTO -401	Introductory Entomology	3(2-1)
STAT-301	Statistics-I	3(2-1)
PPL-301	Introductory Plant Pathology	3(2-1)
ENG-301	English -III (Technical Writing & Presentation skills)	3(3-0)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PAK-401	Pakistan Studies	2(2-0)
AGCH-401	Agricultural Chemistry	2(2-0)
HORT-401	Horticulture Crop Production	3(2-1)
FST-401	Introduction to Food Science and Technology	3(2-1)
STAT-401	Statistics –II	3(2-1)
ENTO-402	Applied Entomology	3(2-1)
FM-401	Fundamentals of Farm Mechanization	2(1-1)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
ENTO-501	Insect Morphology	3(2-1)
ENTO-503	Principles of Insect Taxonomy	3(2-1)
ENTO-505	Insect Ecology	3(2-1)
ENTO-507	Insect Pests of Household, Man & Animals	3(2-1)
ENTO-509	Insect Behavior	3(2-1)
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
ENTO-502	Insect Physiology	3(2-1)
ENTO-504	Insect Biodiversity and Evolution	3(2-1)
ENTO-506	Agricultural Pests and their Management	4(3-1)
ENTO-510	Beneficial Insects	3(2-1)
STAT-601	Experimental Designs & Analysis	3(2-1)
Total Credit Hours		**16**

SEMESTER 7th

Course Code	Course Name	Credit Hours
ENTO-601	Integrated Pest Management (IPM)	3(2-1)
ENTO-602	Plant Resistance to Insect Pests	3(2-1)
ENTO-607	Range and Forest Entomology	3(2-1)
ENTO-609	Agriculture and Environmental Pollution	3(2-1)
AGRI-601	Research Projects and Scientific Writing	3(2-1)
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
ENTO-508	Stored Products Pest and their Management	3(2-1)
ENTO-605	Insecticides and their Application	3(2-1)
ENTO-607	Biological Control of Insect Pests	3(2-1)
ENTO-608	Internship/Research/Survey Report	6(0-6)
ENTO-609	Apiculture	3 (2-1)
Total Credit Hours		**18**

Scheme of Studies MSc. (Hons.) and PhD.

Course Code	Course Name	Credit Hours
ENT-701	Research Methods in Entomology	3(2-1)
ENT-702	Origin and Phylogeny of Insects	3(3-0)
ENT-703	Environmental Entomology	2(2-0)
ENT-704	Advanced Insect Morphology	3(2-1)
ENT-705	Advanced Insect Ecology	3(2-1)
ENT-706	Numerical Taxonomy	3(2-1)
ENT-707	Advanced Insect Physiology & Embryology	3(2-1)
ENT-708	Molecular Entomology	3(2-1)
ENT-709	Insecticide Resistance and Management	3(2-1)
ENT-710	Insects in Relation to Plant Diseases	3(2-1)
ENT-711	Medical and Veterinary Entomology	3(2-1)
ENT-712	Acarology	3(2-1)
ENT-713	Classification of Immature Insects	3(2-1)
ENT-714	Insecticides Toxicology	3(2-1)
ENT-715	Insect Nutrition	3(2-1)
ENT-716	Insecticide and Public Health	2(2-0)

Course Code	Course Name	Credit Hours
ENT-717	Advances in Biological Control of Insect Pests and Weeds	3(2-1)
ENT-718	Advanced Insect Behavior	3(2-1)
ENT-719	Special Problem	1(1-0)
ENT-720	Seminar	1(1-0)
ENT-721	Insecticides Application Equipment	3(2-1)
ENT-722	Advances in Pest Management Research	2(2-0)
ENT-723	Insect Cytogenetics and Cytotaxonomy	3(2-1)
ENT-724	Insect Pathology	3(2-1)
ENT-725	Insect Biochemistry	3(2-1)
ENT-726	Chemical Ecology of Insects	2(2-0)
ENT-727	Forensic Entomology and Techniques	3(2-1)
ENT-728	Project Planning and Management	3(3-0)
ENT-729	Thesis M. Sc. (Hons.)	10(0-10)
ENT-730	Ph. D. Research Work / Dissertation	20(0-20)

FACULTY PROFILE

Prof. Dr Abid Farid
Professor, Entomology
abidfarid786@gmail.com

Dr. Mushtaq Ahmad
Advisor (HOD)
mushsoroya@gmail.com

Dr. Rashid Azad
Assistant Professor
rashidazad147@gmail.com

Dr. Muhammad Nasir
Assistant Professor
nasir.uaar@gmail.com

Mr. Maid Zaman
Lecturer
maidzaman@gmail.com

Mr. Rasheed Akbar
Lecturer
rasheedaup@gmail.com

Mr. Zia Ur Rehman
Lecturer, Entomology
uafziarehman@gmail.com

DEPARTMENT OF HORTICULTURE

Introduction

"Horticulture is the growing of flowers, fruits and vegetables, and of plants for ornament and fancy." Simply put, horticulture is the art and science of plant production for both beauty and utility. We work with fruits, vegetables, ornamental plants, and turfgrass, in a variety of labs, fields, golf courses, and garden centers. Rather than staple crops, horticulture focuses on fruit, vegetables, flowers, and landscape plants. As a result, we use creativity to seek sustainable solutions in horticultural research to enhance health and quality of life for the world at large.

Mission

Develop a cadre of trained professionals to contribute effectively and efficiently in the field of horticulture at national and international level.

Goals

Enabling students to acquire basic and applied knowledge in the field of horticulture.

ACADEMIC PROGRAMS:

The Department of Horticulture is offering admission in the following academic programs:

(i) BSc. (Hons.)

The students intend to take admission in BSc. (Hons.) Agriculture Program should have passed Intermediate (Pre-Medical or Pre-Engineering) with at least 2nd Division and he/she have no third division in the academic career. The University of Haripur will arrange a general test for admission in the BSc. (Hons) Agriculture Program with the help of ETEA (Education Testing and Evaluation Agency), Peshawar.

(ii) MSc (Hons) Horticulture

The students intend to get admission in this program should have passed B.Sc. (Hons.) Agriculture in Horticulture with CGPA of at least 2.50/4.00. He/she must have passed subject test arranged by University of Haripur with 50% marks.

(iii) PhD Horticulture

Students intending to take admission in Ph.D, Horticulture must have CGPA not less than 3.00/4.00 in the relevant discipline. The Ph.D. applications must be accompanied by comprehensive project proposals. Must have passed Departmental test (Subject) with at least 70% marks. The in-service candidates have to get NOC from their employer and study leave for this purpose.

Scheme of Studies for BSc. (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
AGRON-101	Basic Agriculture	3(2+1)
ENG-101	English – I (Functional English)	3(3-0)
AEC-101	Principles of Agricultural Economics	3(3-0)
SES-101	Introduction to Soil & Environmental Science	3(2-1)
BB-101	Functional Biology -1	3(3-0)
MATH-101	Mathematics -1 (Algebra)	3(3-0)
HORT-101	Introductory Horticulture	3(2-1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PBG-201	Introductory Genetics	3(2-1)
AERD-201	Introduction to Agriculture Extension Education & Rural Development	2(2-0)
IS-101	Islamic Studies	2(2-0)
AS-301	Animal and Poultry Husbandry	2(2-0)
IT-201	Introduction to Information & Communication Technologies	3(2-1)
ENG-201	English -II (Communication skills)	3(3-0)
BZ-201	Functional Biology - 2 /	3(3-0)/
MATH-201	Mathematics-II (Calculus)	3(3-0)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
AGRON-301	Field Crop Production	3(2-1)
PBG-301	Introductory Plant Breeding	3(2-1)
ENTO -401	Introductory Entomology	3(2-1)
STAT-301	Statistics-I	3(2-1)
PPL-301	Introductory Plant Pathology	3(2-1)
ENG-301	English -III (Technical Writing & Presentation skills)	3(3-0)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PAK-401	Pakistan Studies	2(2-0)
AGCH-401	Agricultural Chemistry	2(2-0)
HORT-401	Horticulture Crop Production	3(2-1)
FST-401	Introduction to Food Science and Technology	3(2-1)
STAT-401	Statistics –II	3(2-1)
ENTO-402	Applied Entomology	3(2-1)
FM-401	Fundamentals of Farm Mechanization	2(1-1)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
Hort-501	Principle of Fruit Production	3(2-1)
Hort-503	Principle of Vegetable Production	3(2-1)
Hort-505	Principle of Ornamental Crop Production	3(2-1)
Hort-507	Propagation and Nursery Management	3(1-2)
Hort-509	In Vitro Propagation	3(2-1)
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
Hort-502	Tropical and Sub Tropical fruits	3(2-1)
Hort-504	Summer Vegetables	3(2-1)
Hort-506	Landscape Horticulture	3(2-1)
Hort-508	Medicinal and Aromatic plants	3(2-1)
Hort-510	Post harvest Horticulture	3(3-0)
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
Hort-601	Research Methods in Horticulture	3(2-1)
Hort-603	Temperate Fruits	3(2-1)
Hort-605	Winter Vegetables	3(2-1)
Hort-607	Commercial Flower Production	3(2-1)
Hort-609	Breeding of Horticultural Crops	3(2-1)
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
Hort-602	Internship/Research /Survey Reports	6(0-6)
Hort-604	Vegetable and Flower Seed Production	3(2-1)
Hort-606	Protected Horticulture	3(2-1)
Hort-608	Indoor Plant Culture and Scaping	3(2-1)
Hort-610	Business Management in Horticulture	3(3-0)
Total Credit Hours		**18**

Scheme of Studies M. Sc (Hons.) and Ph. D Horticulture

Course Code	Course Name	Credit Hours
Hort-701	Mineral Nutrition of Horticultural crops	3(2-1)
Hort-702	Plant Growth Regulator	3(2-1)
Hort-703	Environmental Horticulture	3(2-1)
Hort-704	Plant tissue Culture	3(1-2)
Hort-705	Prospective Horticultural Crops	3(2-1)
Hort-706	Fruit Breeding	3(2-1)
Hort-707	Citriculture	3(2-1)
Hort-708	Mango and Date Palm Culture	3(2-1)
Hort-709	Minor Fruits	3(2-1)
Hort-710	Vegetable Breeding	3(2-1)
Hort-711	Vegetable seed Production and Marketing	3(2-1)
Hort-712	Solanaceous Crops	3(2-1)
Hort-713	Spices and Condiments	3(2-1)
Hort-714	Mushroom Biology and Technology	2(2-1)

Course Code	Course Name	Credit Hours
Hort-715	Landscape Designs	4(2-1)
Hort-716	Turfgrass Management	4(2-1)
Hort-717	Advanced Fruit Science	4(2-1)
Hort-719	Advanced Vegetable Science	3(2-1)
Hort-720	Landscape Ecology	3(2-1)
Hort-721	Horticulture Seed Science and Technology	3(2-1)
Hort-722	Biotechnology of Horticultural Crops	3(2-1)
Hort-723	Physiology of Horticultural Crops	3(2-1)
Hort-724	Post- Harvest Physiology	3(2-1)
Hort-725	Horticultural Production under Abiotic Stress	3(2-1)
Hort-726	Special Problem	1(1-0)
Hort-727	Seminar	1(1-0)
Hort-728	Thesis M.Sc.(Hons)	10(0-10)
Hort-729	Thesis Ph.D	20(0-200)

FACULTY PROFILE

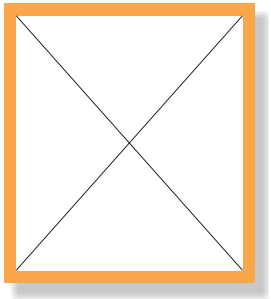
Dr. Ijaz Hussain
Head of Department / Assistant Professor
ijazhussain1@uoh.edu.pk

Dr. Shah Masaud khan
Assistant Professor
drshahmaaudkhan@uoh.edu.pk

Dr. Waseem Ahmed
Assistant Professor
dr.waseemahmed@uoh.edu.pk

Muhammad Affan Khan
Lecturer
makhan8809@gmail.com

Qasim Ayub
Lecturer
qasimayub.alizai@gmail.com



Naila Nawaz Khan
Horticulturist
nailanawaz@uoh.edu.pk

DEPARTMENT OF AGRONOMY

Introduction

Agronomy is the science and technology of producing and using plants for food, fuel, fiber, and land reclamation. The Department of Agronomy is striving for the said purpose and is working since it was a campus of the Hazara University. Due to diversity in nature, the subject provides maximum exposure to the students to excel in professional life.

Mission

Promotion of crop husbandry practices in the semi-arid and sub-humid climatic conditions of Hazara Division in particular and the whole country in general.

Goals

- To produce young agronomists & to improve the technological aspects of agriculture by developing a working coordination with research & extension Departments.
- To deliver the highest quality academic programs, prepare students for careers in food & agriculture industry & conduct scholastic activities.
- To improve the overall livelihood & poverty alleviation in the country

ACADEMIC PROGRAMS:

The Department of Agronomy is offering admission in the following academic programs:

(i) BSc (Hons.) Agriculture Agronomy
(ii) MSc (Hons.) Agronomy
(iii) PhD Agronomy

BSc (Hons.)

Intermediate (Pre-Medical OR Pre-Engineering) with at least 2nd Division and he/she have no third division in the academic career.

M. Sc (Hons.)

B. Sc. (Hons.) Agriculture in Agronomy with CGPA of at least 2.50/4.00. He/she must have passed subject NTS test arranged by University of Haripur with 50% marks.

Ph.D

M.Sc (Hons.) Agriculture with CGPA of at least 3.00/4.00 in the relevant discipline. Must have passed GAT (Subject) with at least 60% marks.

Scheme of Studies for BSc. (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
AGRON-101	Basic Agriculture	3(2+1)
ENG-101	English – I (Functional English)	3(3-0)
AEC-101	Principles of Agricultural Economics	3(3-0)
SES-101	Introduction to Soil & Environmental Science	3(2-1)
BB-101	Functional Biology -1	3(3-0)
MATH-101	Mathematics -1 (Algebra)	3(3-0)
HORT-101	Introductory Horticulture	3(2-1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PBG-201	Introductory Genetics	3(2-1)
AERD-201	Introduction to Agriculture Extension Education & Rural Development	2(2-0)
IS-101	Islamic Studies	2(2-0)
AS-301	Animal and Poultry Husbandry	2(2-0)
IT-201	Introduction to Information & Communication Technologies	3(2-1)
ENG-201	English -II (Communication skills)	3(3-0)
BZ-201	Functional Biology - 2 /	3(3-0)/
MATH-201	Mathematics-II (Calculus)	3(3-0)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
AGRON-301	Field Crop Production	3(2-1)
PBG-301	Introductory Plant Breeding	3(2-1)
ENTO -401	Introductory Entomology	3(2-1)
STAT-301	Statistics-I	3(2-1)
PPL-301	Introductory Plant Pathology	3(2-1)
ENG-301	English -III (Technical Writing & Presentation skills)	3(3-0)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PAK-401	Pakistan Studies	2(2-0)
AGCH-401	Agricultural Chemistry	2(2-0)
HORT-401	Horticulture Crop Production	3(2-1)
FST-401	Introduction to Food Science and Technology	3(2-1)
STAT-401	Statistics –II	3(2-1)
ENTO-402	Applied Entomology	3(2-1)
FM-401	Fundamentals of Farm Mechanization	2(1-1)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
AGRON-501	Arid Zone Agriculture	3(2-1)
AGRON-502	Agro-Technology of Major Crops	3(2-1)
AGRON-503	Plant Nutrients and Growth Regulators	3(2-1)
AGRON-504	Irrigation Agronomy	3(2-1)
AGRON-509	Farm Record Maintenance	3(2-1)
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
AGRON-505	Field Crop Physiology	3(2-1)
AGRON-506	Biological Nitrogen Fixation	3(3-0)
AGRON-507	Conservation Agronomy	3(2-1)
AGRON-508	Medicinal and Special Crops	3(2-1)
AGRON-510	Crop Growth Modeling & its application	3(2-1)
STAT-601	Experimental Designs & Analysis	3(2-1)
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
AGRON-601	Seed Production Technology	3(2-1)
AGRON-602	Agro Ecology	3(3-0)
AGRON-603	Environment and Crop Production	3(2-1)
AGRON-610	Crop Management Under Stressful Environment	3(2-1)
AGRI-601	Research Projects and Scientific Writing	3(2-1)
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
AGRON-605	Principles of weed science	3(2-1)
AGRON-606	Forage and fodder production	3(2-1)
AGRON-608	Organic Farming	3(2-1)
AGRON-607	Research, Survey Report	7(0-7)
Total Credit Hours		**16**

Scheme of Studies MSc (Hons.) and PhD

Course Code	Course Name	Credit Hours
AGRON-701	Advanced Agronomy	3(2-1)
AGRON-702	Applied Crop Ecology	3(3-0)
AGRON-703	Advanced Irrigation Agronomy	3(2-1)
AGRON-704	Agro-Environment Conservation	3(3-0)
AGRON-705	Agro-meteorology	3(3-0)
AGRON-706	Allelopathy in Crop Production	3(2-1)
AGRON-707	Applied Conservation Agronomy	3(3-0)
AGRON-708	Arid Zone Agronomy	3(3-0)
AGRON-709	Biological Crop Potential	3(3-0)
AGRON-710	Crop Environment	3(3-0)
AGRON-711	Crop Management on Problem Soils	4(3-1)
AGRON-712	Crop Modeling	3(2-1)
AGRON-713	Crop Nutrition Management	3(2-1)
AGRON-714	Crop Production and Herbicides	4(3-1)
AGRON-715	Farming and Cropping Systems	3(3-0)
AGRON-716	Field Crop Experimentation	4(3-1)

Course Code	Course Name	Credit Hours
AGRON-717	Herbicides in Plant and Soil Systems	3(2-1)
AGRON-718	Integrated Agriculture	3(3-0)
AGRON-719	Modern Concepts of Crop Production	3(2-1)
AGRON-720	Recent Advances in Agronomy	3(3-0)
AGRON-721	Seed Physiology	3(2-1)
AGRON-722	Seed Science and Technology	3(2-1)
AGRON-723	Stress Agronomy	4(3-1)
AGRON-724	Sustainable Agriculture	3(3-0)
AGRON-725	Water Relations in Plant	3(2-1)
AGRON-726	Weed Management	3(2-1)
AGRON-727	Climate Change and Agriculture	3(3-0)
AGRON-728	Special Problem	1(1-0)
AGRON-729	Seminar	1(1-0)
AGRON-730	Thesis M. Sc. (Hons.)	10(0-10)
AGRON-731	Thesis Ph. D.	20(0-20)
	Research Papers	-

FACULTY PROFILE

Prof. Dr. Ayub Khan
Chairman
peerayub@uoh.edu.pk

Dr. Sami Ullah Khan
Assistant Professor
sami1643@yahoo.com

Dr. Khalid Naveed
Assistant Professor
k_naveed1974@yahoo.com

Dr. Abdul Qayyum
Assistant Professor
aqayyum@uoh.edu.pk

Dr. Kamran Azeem
Assistant Professor
kamranmkd@gmail.com

Mr. Hayat Khan
Lecturer
haytt88@yahoo.com

DEPARTMENT OF FOOD SCIENCE & TECHNOLOGY

Introduction

Discipline of Food Science and Technology started in 2010 was notified as independent Department in August 16, 2018. Department offers B.Sc (Hons.), M.Sc (Hons.) and Ph.D degree Programmes. Department has well designed academic programmes, reasonable educational facilities, and high class foreign educated PhD faculty.

The Department of Food Science and Technology has strong collaboration with Food Industries (Shezan International, English Biscuits, Qarshi Industries and Ghee mills) academic and research organization (PCSIR Labs, NARC, NIFA). Alongside teaching, Department is also focusing on research and development, solving industrial problems, developing new products of significant nutritional value such as development of products without using synthetic preservatives. Recently Department has set up “Milk Adulteration Testing Lab” which is creating awareness among public regarding milk adulterants and also providing analytical and technical support to district administration and Khyber Pakhtunkhawa Food Safety and Halaal Food Authority.

Mission

The mission of Food Science and Technology Department is to prepare students for creative, challenging, diverse and rewarding careers in the food industry and to produce the next generation of critical thinkers and food science researchers.

Goal

Our goal is to improve the nutritional quality of food, conserve the world´s food supply and reduce environmental impact and we train our students on these basis

ACADEMIC PROGRAMS:

The Department of Food Science and Technology is offering admission in the following academic programs:

(i) BSc. (Hons) Agriculture with specialization in Food Science and Technology
(ii) MSc. (Hons) Agriculture with specialization in Food Science and Technology
(iii) PhD Food Science and Technology

Scheme of Studies for BSc. (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
AGRON-101	Basic Agriculture	3(2+1)
ENG-101	English – I (Functional English)	3(3-0)
AEC-101	Principles of Agricultural Economics	3(3-0)
SES-101	Introduction to Soil & Environmental Science	3(2-1)
BB-101	Functional Biology -1	3(3-0)
MATH-101	Mathematics -1 (Algebra)	3(3-0)
HORT-101	Introductory Horticulture	3(2-1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PBG-201	Introductory Genetics	3(2-1)
AERD-201	Introduction to Agriculture Extension Education & Rural Development	2(2-0)
IS-101	Islamic Studies	2(2-0)
AS-301	Animal and Poultry Husbandry	2(2-0)
IT-201	Introduction to Information & Communication Technologies	3(2-1)
ENG-201	English -II (Communication skills)	3(3-0)
BZ-201	Functional Biology - 2 /	3(3-0)/
MATH-201	Mathematics-II (Calculus)	3(3-0)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
AGRON-301	Field Crop Production	3(2-1)
PBG-301	Introductory Plant Breeding	3(2-1)
ENTO -401	Introductory Entomology	3(2-1)
STAT-301	Statistics-I	3(2-1)
PPL-301	Introductory Plant Pathology	3(2-1)
ENG-301	English -III (Technical Writing & Presentation skills)	3(3-0)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PAK-401	Pakistan Studies	2(2-0)
AGCH-401	Agricultural Chemistry	2(2-0)
HORT-401	Horticulture Crop Production	3(2-1)
FST-401	Introduction to Food Science and Technology	3(2-1)
STAT-401	Statistics –II	3(2-1)
ENTO-402	Applied Entomology	3(2-1)
FM-401	Fundamentals of Farm Mechanization	2(1-1)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
FST-501	Food Processing and Preservation	3(2-1)
FST-502	Post-Harvest Technology	3(2-1)
FST-503	Food Microbiology	3(2-1)
FST-504	Principles of Human Nutrition	3(3-0)
FST-509	Sugar Technology	3(2-1)
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
FST-505	Food Chemistry	3(3-0)
FST-506	Cereal Technology	3(2-1)
FST-508	Technology of Fats and Oils	3(2-1)
FST-510	Food Biotechnology	3(2-1)
Stat-601	Experimental Designs and Analysis	3(2-1)
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
FST-601	Instrumental Techniques in Food Analysis	3(1-2)
FST-602	Beverages Technology	3(2-1)
FST-603	Meat Technology	3(2-1)
FST-604	Food Product Development	3(2-1)
FST- 609	Confectionery and Snack Foods	3(2-1)
AGRI-601	Research Projects and Scientific Writing	3(2-1)
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
FST-507	Dairy Technology	3(2-1)
FST-606	Food Laws and Regulations	3(3-0)
FST-607	Food Quality Management	3 (3-0)
FST-608	Internship, Research, Survey Report and Presentation	6 (0-6)
Total Credit Hours		**15**

FACULTY PROFILE

Dr. Muhammad Liaquat
Head of Department
Assistant Professor

Dr. M. Jahangir
Assistant Professor

Dr. Shehla Sammi
Assistant Professor

Miss Shagufta
Lecturer

Shams ur Rehman
Lecturer

DEPARTMENT OF PLANT BREEDING & GENETICS (PBG)

Introduction:

In the plant breeding and genetics the students will study about plant biology, plants genetics (Inheritance, cytogenetics, population genetics, molecular genetics, advance genetics and classical genetics), plants reproductive systems, breeding methods for different crops including cereals crops, cash crops, sugar crops, oilseed crops, fibre crops, pulses, vegetables and fodder and forages crops to enhance the quantity and quality for ensuring sustainable supply of quality food to the community. Due to diversity in nature, the subject provides maximum exposure to the students to excel in professional life.

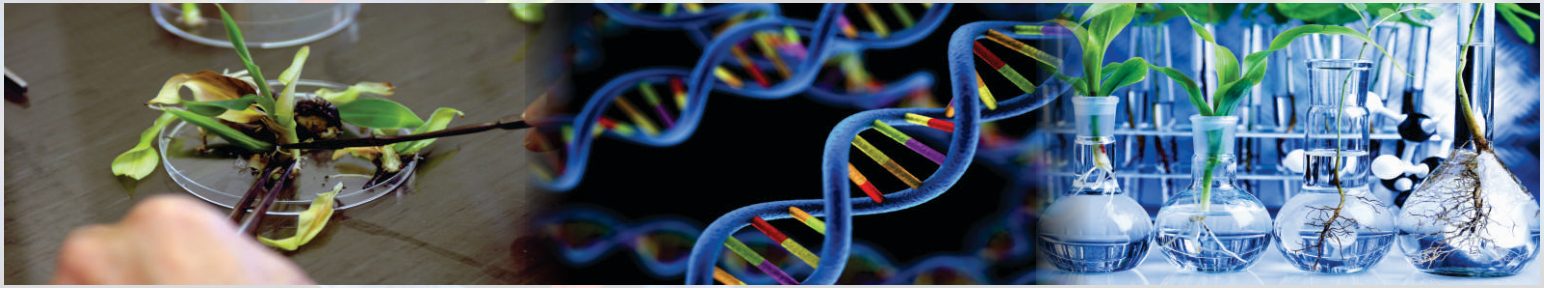
Mission:

Develop an excellent, world class department to produce plant breeders and geneticist who have cutting-edge scientific skills and expertise in both agricultural and non-agricultural concerns.

- To be a model department focused on building and fostering academic environment conducive to advanced level teaching and research of plant breeding and genetics at regional, national as well as international levels
- To be recognized regionally, nationally as well as internationally for its scholarly work and effective student training.

Goals

1. Impart academic and research training at advanced levels in Plant Breeding and Genetics.
2. Establish strong linkages with provincial, national and international research and educational organizations to undertake collaborative assignments.



ACADEMIC PROGRAMS:

The Department of Plant Breeding & Genetics is offering admission in the following academic programs:

(i) BSc (Hons.) Agriculture, PBG

The students intend to take admission in BSc. (Hons.) Agriculture Program should have passed Intermediate (Pre-Medical or Pre-Engineering) with at least 2nd Division and he/she have no third division in the academic career. The University of Haripur will arrange a general test for admission in the BSc. (Hons) Agriculture Program with the help of ETEA (Education Testing and Evaluation Agency), Peshawar.

(ii) MSc. (Hons.) PBG

The students intend to get admission in this program should have passed B. Sc. (Hons.) in Plant Breeding & Genetics with CGPA of at least 2.50/4.00.He/she must have passed subject NTS test arranged by The University of Haripur with 50% marks.

(iii) PhD. PBG

M.Sc (Hons.) Plant Breeding & Genetics with CGPA of at least 3.00/4.00. The Ph.D. applications must be accompanied by comprehensive project proposals. Must have passed GAT(Subject) with at least 60% marks. The in-service candidates have to get NOC from their employer and study leave for this purpose.

Scheme of Studies for BSc. (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
AGRON-101	Basic Agriculture	3(2+1)
ENG-101	English – I (Functional English)	3(3-0)
AEC-101	Principles of Agricultural Economics	3(3-0)
SES-101	Introduction to Soil & Environmental Science	3(2-1)
BB-101	Functional Biology -1	3(3-0)
MATH-101	Mathematics -1 (Algebra)	3(3-0)
HORT-101	Introductory Horticulture	3(2-1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PBG-201	Introductory Genetics	3(2-1)
AERD-201	Introduction to Agriculture Extension Education & Rural Development	2(2-0)
IS-101	Islamic Studies	2(2-0)
AS-301	Animal and Poultry Husbandry	2(2-0)
IT-201	Introduction to Information & Communication technologies	3(2-1)
ENG-201	English -II (Communication skills)	3(3-0)
BZ-201	Functional Biology - 2 /	3(3-0)/
MATH-201	Mathematics-II (Calculus)	3(3-0)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
AGRON-301	Field Crop Production	3(2-1)
PBG-301	Introductory Plant Breeding	3(2-1)
ENTO -401	Introductory Entomology	3(2-1)
STAT-301	Statistics-I	3(2-1)
PPL-301	Introductory Plant Pathology	3(2-1)
ENG-301	English -III (Technical Writing & Presentation skills)	3(3-0)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PAK-401	Pakistan Studies	2(2-0)
AGCH-401	Agricultural Chemistry	2(2-0)
HORT-401	Horticulture Crop Production	3(2-1)
FST-401	Introduction to Food Science and Technology	3(2-1)
STAT-401	Statistics –II	3(2-1)
ENTO-402	Applied Entomology	3(2-1)
FM-401	Fundamentals of Farm Mechanization	2(1-1)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
PBG 501	Principles of Genetics	3(2-1)
PBG 503	Breeding Field Crops	3(2-1)
PBG 505	Cytogenetics	3(2-1)
PBG 507	Experimentation in Plant Breeding	3(2-1)
PBG 509	Breeding Cereal Crops	3(2-1)
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
PBG 502	Breeding Fiber Crops	3(2-1)
PBG 504	Breeding Sugar Crops	3(2-1)
PBG 506	Breeding Maize and Millets	3(2-1)
PBG 508	Biodiversity and Plant Genetic Resources	3(3-0)
PBG 510	Molecular Genetics	3(2-1)
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
PBG 601	Breeding Oilseed Crops	3(2-1)
PBG 603	Breeding Pulse Crops	3(2-1)
PBG 605	Breeding Vegetable Crops	3(2-1)
PBG 607	Modern Techniques in Plant Breeding	3(2-1)
PBG 609	Fundamentals of Plant Biometry	3(2-1)
PBG 611	Preparation of Research & Scientific Writing	3(3-0)
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
PBG 602	Breeding Fodder and Forage Crops	3(2-1)
PBG 604	Breeding Minor Crops	3(2-1)
PBG 606	Crop Variety Registration and Intellectual Property Rights	3(3-0)
PBG 608	Bio-safety Measures in Crop improvement	3(2-1)
PBG 610	Internship/Research/ Survey Report	6(0-6)
Total Credit Hours		**18**

Scheme of Studies MSc (Hons.) and PhD (PBG)

Course Code	Course Name	Credit Hours
PBG 701	Principles of Plant Breeding	3(2-1)
PBG 702	Advanced Genetics	3(3-0)
PBG 703	Molecular Plant Breeding	3(2-1)
PBG 704	Cytogenetics of Crop Plants	3(2-1)
PBG-705	Breeding and Genetics of Fodder Crops	3(2-1)
PBG-706	Breeding for Stress Environments	3(2-1)
PBG-707	Mutation Breeding	3(2-1)
PBG-708	Population Genetics	3(3-0)
PBG-709	Cereal Genetics and Breeding	3(2-1)
PBG-710	Cotton Genetics and Breeding	3(2-1)
PBG-711	Genetics and Breeding of Oilseed Crops	3(2-1)
PBG-712	Genetics and Breeding of Sugar Crops	3(2-1)
PBG-713	Genetic Engineering in Plants	3(2-1)
PBG-714	Evolution of Field Crops	3(3-0)

Course Code	Course Name	Credit Hours
PBG-715	Advanced Cytogenetic	3(3-0)
PBG-716	Plant Genomics	3(2-1)
PBG-717	Advanced Methods in Plant Breeding	3(2-1)
PBG-718	Genetics of Plant Disease & Insect Resistance	3(2-1)
PBG-719	Development of Hybrid and Seed Production	3(2-1)
PBG-720	Biometrical Techniques in Plant Breeding	3(2-1)
PBG-721	Special Problem	1(1-0)
PBG 722	Seminar (M.Sc. Hons)	1(1-0)
PBG 723	Thesis (M.Sc. Hons)	10(0-10)
PBG-724	Special Problem	1(1-0)
PBG-725	Seminar-I (PhD)	1(1-0)
PBG-726	Seminar-II (PhD)	1(1-0)
PBG-727	PhD Dissertation	20(0-20)

FACULTY PROFILE

Dr. Sardar Ali
Head of Department/Assistant Professor
sardar_buner@yahoo.com

Dr. Sher Aslam Khan
Assistant Professor
sheraslamqau@gmail.com

Dr. Naushad Ali
Assistant Professor
naushadturi@gmail.com

Dr. KhurramShahzad
Assistant Professor
khurram852@gmail.com

Dr. Izhar Hussain
Lecturer
izharhussain29@gmail.com

DEPARTMENT OF SOIL SCIENCE

Introduction

In the soil science the students will study about soil biology, soil minerology, soil fertility, soil salinity, soil chemistry, soil formation, soil classification, soil and water conservation to improve soil health leading to better crop production and healthy environment. Due to diversity in nature, the subject provides maximum exposure to the students to excel in professional life.

Mission

Develop an excellent, world class department to produce soil scientists who have cutting-edge scientific skills and expertise in both agricultural and non-agricultural concerns.

Goal

Our goal is to train human resource who have scientific skills and expertise pertaining to soil productivity enhancement, conservation of soil and water resources from natural and human induced degradation.

ACADEMIC PROGRAMS:

The Department of Soil Science is offering admission in the following academic programs:

(i) BSc. (Hons.)

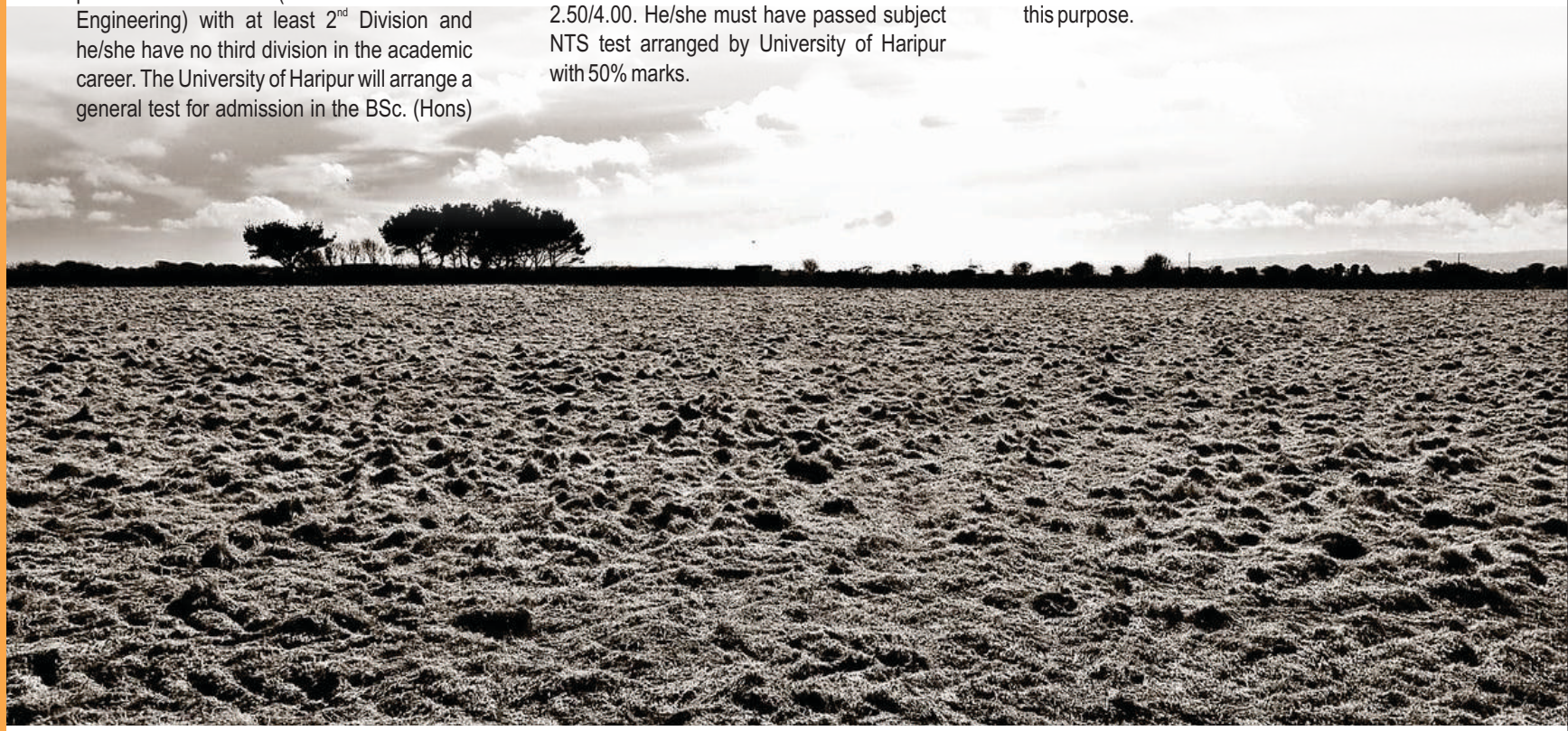
The students intend to take admission in BSc. (Hons.) Agriculture Program should have passed Intermediate (Pre-Medical or Pre-Engineering) with at least 2nd Division and he/she have no third division in the academic career. The University of Haripur will arrange a general test for admission in the BSc. (Hons) Agriculture Program with the help of ETEA (Education Testing and Evaluation Agency), Peshawar.

(ii) MSc. (Hons.) Soil Science

The students intend to get admission in this program should have passed BSc. (Hons.) Agriculture in Agronomy with CGPA of at least 2.50/4.00. He/she must have passed subject NTS test arranged by University of Haripur with 50% marks.

(iii) PhD. Soil Science

M.Sc (Hons.) Agriculture with CGPA of at least 3.00/4.00 in the relevant discipline. The Ph.D. applications must be accompanied by comprehensive project proposals. Must have passed GAT (Subject) with at least 60% marks. The in-service candidates have to get NOC from their employer and study leave for this purpose.



Scheme of Studies for BSc. (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
AGRON-101	Basic Agriculture	3(2+1)
ENG-101	English – I (Functional English)	3(3-0)
AEC-101	Principles of Agricultural Economics	3(3-0)
SES-101	Introduction to Soil & Environmental Science	3(2-1)
BB-101	Functional Biology -1	3(3-0)
MATH-101	Mathematics -1 (Algebra)	3(3-0)
HORT-101	Introductory Horticulture	3(2-1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PBG-201	Introductory Genetics	3(2-1)
AERD-201	Introduction to Agriculture Extension Education & Rural Development	2(2-0)
IS-101	Islamic Studies	2(2-0)
AS-301	Animal and Poultry Husbandry	2(2-0)
IT-201	Introduction to Information & Communication technologies	3(2-1)
ENG-201	English -II (Communication skills)	3(3-0)
BZ-201	Functional Biology - 2 /	3(3-0)/
MATH-201	Mathematics-II (Calculus)	3(3-0)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
AGRON-301	Field Crop Production	3(2-1)
PBG-301	Introductory Plant Breeding	3(2-1)
ENTO -401	Introductory Entomology	3(2-1)
STAT-301	Statistics-I	3(2-1)
PPL-301	Introductory Plant Pathology	3(2-1)
ENG-301	English -III (Technical Writing & Presentation skills)	3(3-0)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PAK-401	Pakistan Studies	2(2-0)
AGCH-401	Agricultural Chemistry	2(2-0)
HORT-401	Horticulture Crop Production	3(2-1)
FST-401	Introduction to Food Science and Technology	3(2-1)
STAT-401	Statistics –II	3(2-1)
ENTO-402	Applied Entomology	3(2-1)
FM-401	Fundamentals of Farm Mechanization	2(1-1)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
SS-501	Physical Properties of Soil	3(2-1)
SS-503	Chemical Properties of Soil	3(2-1)
SS-505	Instrumentation and Laboratory Techniques	3(1-2)
SS-507	Soil Genesis and Morphology	3(2-1)
	Elective – I	3(3-0)
Total Credit Hours		**15**

SEMESTER 6th

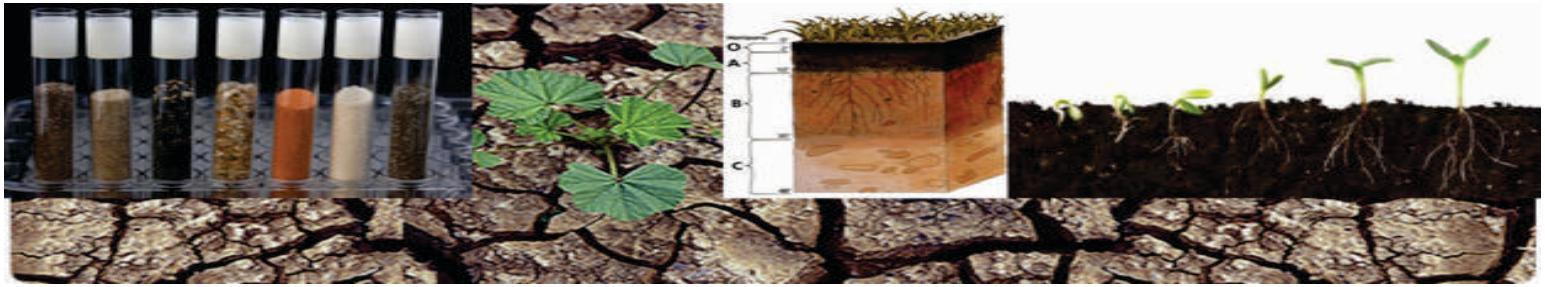
Course Code	Course Name	Credit Hours
SS-502	Salt-Affected Soils and Water Quality	3(2-1)
SS-504	Soil Fertility and Fertilizer Use	3(2-1)
SS-506	Soil Survey and Land Evaluation	3(2-1)
SS-508	Soil and Water Conservation	3(2-1)
	Elective – II	3(3-0)
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
SS-601	Soil Microbiology	3(2-1)
SS-603	Environmental Pollution and Management	3(3-0)
Agri-605	Research Project and Scientific Writing	3(2-1)
SS-607	Municipal and Agro Waste Management	3(3-0)
SS-609	Carbon Sequestration in Soil	3(2-1)
	Elective – III	3(3-0)
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
SS-602	Soil - Water - Plant Relationship	3(3-0)
SS-604	Land Degradation and Management	3(3-0)
SS-606	Trace Elements in Agriculture	3(2-1)
SS-608	Internship/Research Project	4(0-4)
Total Credit Hours		**13**



Scheme of Studies MSc. (Hons.) and PhD Soil Science

Course Code	Course Name	Credit Hours
SS-701	Principles and Uses of Laboratory Equipment	3(0-3)
SS-702	Soil Chemistry	3(2-1)
SS-703	Soil Fertility and Plant Nutrition	3(2-1)
SS-704	Soil Microbiology and Biochemistry	3(2-1)
SS-705	Soil Tazonomy	3(2-1)
SS-706	Salt-Affected and Waterlogged Soils	3(3-0)
SS-707	Soil Physics	3(2-1)

Course Code	Course Name	Credit Hours
SS-708	Soil Mineralogy	3(3-0)
SS-709	Soil - Plant Relationship	3(3-0)
SS-710	Advanced Soil Chemistry	3(3-0)
SS-711	Advanced Soil Fertility	3(3-0)
SS-712	Advanced Soil Microbiology	3(3-0)
SS-713	Advanced Soil Physics	3(3-0)
SS-719	Special Problem	1(1-0)
SS-720	Seminar	1(1-0)

FACULTY PROFILE

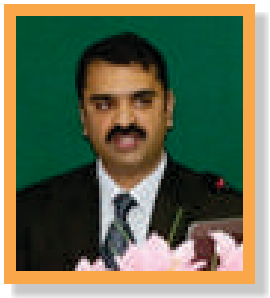
Dr. Ali Raza Gurmani
Head of Department / Associate Professor
gurmani_narc@yahoo.com

Dr. Zahoor Ahmad
Assistant Professor
zahoor112@hotmail.com

Dr. Ayaz Mehmood
Assistant Professor
ayaz.gill@uoh.edu.pk

Dr. Motsim Billah
Assistant Professor
motsimbillah@gmail.com

Muhammad Jehangir
Lecturer
hjehangir72@gmail.com



M. Rasheed
Lecturer
mrasheed@uoh.edu.pk

DEPARTMENT OF ENVIRONMENTAL SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

Introduction

Department of Environmental Sciences (DES) has the honor to be the pioneer department of the University of Haripur (previously a sub-campus of Hazara University, Mansehra) was established in 2008 based on the theme of 'Sustainable Development' (Agenda 21). DES offered its first admission for BS (Hons) program in Spring 2008. MSc., MPhil & PhD programs were launched at the department from the very next semester. The department has attracted students from all cultures and regions of Khyber Pakhtunkhwa (KP) in particular and other regions of the country.

DES was established with a mission of capacity building, educating and enhancing the research capability of students/scholar. A knowledgeable, experienced and dedicated team of the department has showed their determination towards their mission in past and hence is ready to face future environmental challenges. Apart from classroom teaching study trips, seminars and .lectures of special interest are arranged for better understanding of the subject.

DES is carrying out quality research, publishing research papers and aimed at developing research projects to meet present needs and future demands.

The department also has research collaborations with national and international organizations/ institution including WWF, COMSATS Abbotabad, University of Peshawar, Ministry of Climate Change, Environmental Protection Agency and University of Malaya, Malaysia.

Mission

To provide quality education in the field of Environmental Sciences and enable the graduates to work in the major discipline of environmental sciences and solve the fundamental problems of emerging industry.

Goal

Our goal is to find solutions to current day's environmental problems and prevention of emerging one's through a sustained supply of trained human resources.

ACADEMIC PROGRAMS:

The Department of Environmental Sciences is offering admission in the following academic programs:

(i) BS (Hons.)

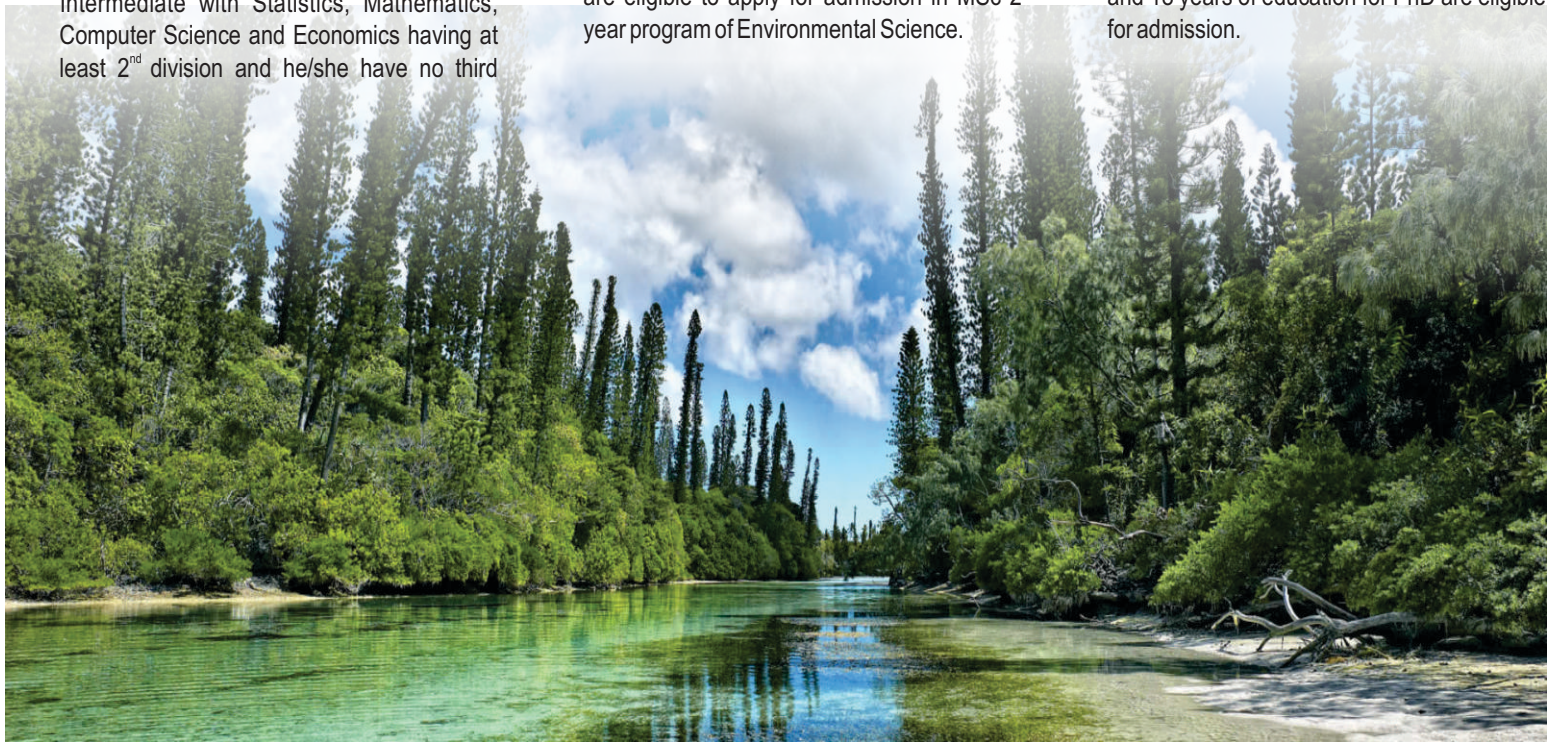
The students intend to take admission in BSc (Hons.) should have passed Intermediate (Pre-Medical or Pre-Engineering) or Intermediate with Statistics, Mathematics, Computer Science and Economics having at least 2nd division and he/she have no third division in the academic career. The University of Haripur will arrange a general test for admission in the BSc (Hons) with the help of ETEA (Education Testing and Evaluation Agency) , Peshawar.

(ii) MSc.

Students, who have studied at least two subjects of any of the following majors in BSc are eligible to apply for admission in MSc 2 year program of Environmental Science. Chemistry, Zoology, Botany, Geography, Geology, Microbiology, Genetics, Biotechnology, Forestry, Anthropology, Archeology, Sociology, Computer Science and Economics.

(iii) MS/MPhil & PhD

Students who have completed 16 years of education in the relevant field for MS/MPhil and 18 years of education for PhD are eligible for admission.



Scheme of Studies for BS (Hons.) / M.Sc 2 Years Environmental Sciences

SEMESTER 1st

Course Code	Course Name	Credit Hours
Ens-112	Islamic Studies	2
Ens-111	Refresher English	3
Ens-113	Basic Concepts of Mathematics	3
Ens-114	Introductory Biology	3
Ens-115	Basic Chemistry	3
Ens-116	Introduction to Environmental Science	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
Ens-122	Pakistan Studies	2
Ens-123	Fundamentals of Statistics	3
Ens-232	Basics of Computer Science	3
Ens-121	Functional English	3
Ens-125	Science, Technology and Society	3
Ens-124	Media and Environment	3
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
Ens-231	English for Academic Purposes	3
Ens-242	Fundamental of Economics	3
Ens-234	Physics of Environment	3
Ens-352	Environmental Microbiology	3
Ens-235	Public Health and Environment	3
Ens-247	Energy and Environment	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
Ens-241	Applied Ecology	3
Ens-248	Environmental Ethics	3
Ens-245	Environmental Geology	3
Ens-233	Environmental Biotechnology	3
Ens-244	Waste Management	3
Ens-249	Environmental Policy and Regulation	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
Ens-351	Environmental Chemistry	3
Ens-353	Environmental Toxicology	3
Ens-243	Environmental Sociology-i	3
Ens-355	Environmental Impact Assessment	3
Ens-126	Environmental Systems and Climate	3
Ens-356	Environmental Planning and Management	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
Ens-472	Pollution Control Technology	3
Ens-354	Environmental Sociology-ii	3
Ens-363	Conservation Biology	3
Ens-364	Environmental Monitoring	3
Ens-365	Environmental Economics	3
Ens-366	GIS and Remote Sensing	3
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
Ens-471	Environmental Management Systems	3
Ens-475	Natural Resource Management	3
Ens-473	Research Design and Methods	3
	Elective-i	3
	Elective-ii	3
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
	Elective-iii	3
	Elective-iv	3
Ens-483	Research Project	6
Total Credit Hours		**12**

Scheme of Studies for MPhil / PhD Environmental Sciences

Course Code	Course Name	Credit Hours
EMS-701	Agrochemicals in the Environment	3
EMS-702	Alternative Energy Sources	3
EMS-703	Applied Environmental Microbiology	3
EMS-704	Biological Conservation	3
EMS-705	Carbon Sequestration and Environment	3
EMS-706	Cleaner Production Technology	3
EMS-707	Coastal Environment and Management	3
EMS-708	Disaster Management	3
EMS-709	Ecotoursim	3
EMS-710	Energy and Environment	3
EMS-711	Environmental Application of Nano materials	3
EMS-712	Environmental Auditing	3
EMS-713	Environmental Biotechnology	3
EMS-714	Environmental Education	3
EMS-715	Environmental Geology	3
EMS-716	Environmental Journalism	3
EMS-717	Environmental Profile of Pakistan	3
EMS-718	Epidemiology	3

Course Code	Course Name	Credit Hours
EMS-719	Fresh Water Ecology/Limnology	3
EMS-720	Global Environmental Politics	3
EMS-721	Health Safety and Environmental Management	3
EMS-722	Pollutants Movement in Soil	3
EMS-723	Population Dynamics and Environment	3
EMS-724	Project Development and Management	3
EMS-725	Public Health	3
EMS-726	Remediation strategies for Contaminant Environment	3
EMS-727	Remote Sensing and GIS Application in the Environment	3
EMS-728	Solid and Hazardous Waste Management	3
EMS-729	Sustainable Urban Planning & Management	3
EMS-730	Treatment and Management of Wastewater	3
EMS-731	Urban Planning and Management	3
EMS-732	Watershed Management	3
EMS-733	Wildlife, Forestry and Management	3

FACULTY PROFILE

Dr. Abdullah Khan
Head of Department / Assistant Professor
abdullahkhan@uoh.edu.pk

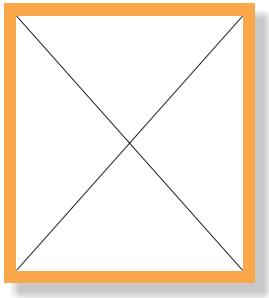
Dr. Alia Naz
Assistant Professor
aliaawkum@gmail.com

Mr. Salman Khan
Assistant Professor
salmankhan@uoh.edu.pk

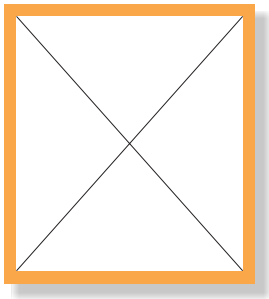
Mr. Tariq Khan
Lecturer
tariqkhan@uoh.edu.pk

Dr. Zia ur Rahman
Lecturer
zia@uoh.edu.pk

Mr. M. Fawad
Lecturer
mfawad@uoh.edu.pk



Ms. Naureen Aurangzeb
Assistant Professor
naureen.aurangzeb@gmail.com



Dr. Hajra Haroon
Lecturer
hajra@ciit.net.pk

Dr. Muhammad Khurshid
Assistant Professor
khurshed75@live.com

Muhammad Ayaz Khan
Lecturer
ayaz437@gmail.com

Dr. Wisal Shah
Lecturer
wisal.uoh@gmail.com

DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT

DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT

Introduction

Department was established in October 2012. It was felt that Forest Managers with a degree in Forestry do not have professional knowledge of Wildlife Management. Consequently wildlife management did not receive any appreciable attention in Forest Management. Forests are Wildlife habitats and Wildlife is Forest produce. A Forest is incomplete without wildlife and wildlife cannot live without its habitat. Therefore in oder to bridge this gap the Department of Forestry and Wildlife Management was established in UOH to offer an integrated course in the form of BS (Hons) and M.Phil.

Mission

Promoting Education and Research based knowledge for the Conservation and Enhancement of Forest, Range and Wildlife resources of the country in changing climate, environmental, social and economic scenario.

Goals

i. To impart higher education at undergraduate and post graduate levels in the field of Forestry & Wildlife Management
ii. To identify constraints and conduct research on issues related to Forest, Wildlife & pasture / rangelands resources of Sub-humid and humid regions.
iii. Establish effective linkages with the provincial, national and international agencies and NGO's.

ACADEMIC PROGRAMS:

The Department of Forestry and Wildlife Management is offering admission in the following academic programs:

(i) BS (Hons.)

The students intended to take admission in BSc (Hons.) should have passed Intermediate (Pre-Medical OR Pre-Engineering) having at least 2nd Division and matric with science. The University of Haripur will arrange a general test for admission in the BSc (Hons) with the help of ETEA (Education Testing and Evaluation Agency) , Peshawar.

(ii) MS/MPhil

MSc degree in Forestry/Wildlife Management/ both or BS Hons. in Forestry/Wildlife Management/both or BS (4Yrs)/ MSc (2 years) Botany/Zoology having at least 50% marks (under annual system) or CGPA of 2.50/4.00 (Under semester system). Must have passed Admission/Entry Test of UOH

Scheme of Studies for BS (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
FWM-303	Basics of Computer Science	3(2-2)
FWM-304	Introduction to Forestry	3(2-2)
FWM-305	Functional English	3(3-0)
FWM-311	Geology and Soil Science	3(2-2)
FWM-314	Introduction to Wildlife	3(2-2)
FWM-416	Forest Botany	3(2-2)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
FWM-309	Communication & Presentation Skills	3(3-0)
FWM-312	Forest and Wildlife Ecology	3(2-2)
FWM-315	Wildlife Biology	3(2-2)
FWM-405	General Silviculture	3(2-2)
FWM-410	Range Management	3(2-2)
FWM-508	Ichthyology	3(2-2)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
FWM-404	Forest Economics	3(3-0)
FWM-405	Wildlife Management	3(3-0)
FWM-413	Forest Protection	3(2-2)
FWM-414	Mammalogy	3(2-2)
FWM-415	Ornithology	3(2-2)
FWM-418	Silviculture of Species	3(2-2)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
FWM-302	Mathematics	3(3-0)
FWM-406	Forest Engineering	3(2-2)
FWM-407	Forest Survey and Leveling	3(2-2)
FWM-411	Forest and Wildlife Genetics	3(2-2)
FWM-412	Forestry and Wildlife Extension	3(3-0)
FWM-417	Animal Behavior	3(2-2)
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
FWM-501	Wildlife Investigation Techniques	3(2-2)
FWM-502	Herpetology	3(2-2)
FWM-503	Environmental Forestry	3(3-0)
FWM-504	Participatory Forestry and Wildlife Management	3(3-0)
FWM-505	Application of GIS and Remote Sensing in Forestry and Wildlife Management	3(2-2)
FWM-506	Marketing of Agro-Forestry Products	3(2-2)
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
FWM-308	Elementary Statistics	3(2-2)
FWM-507	Zoogeography	3(2-2)
FWM-509	Wood Science and Technology	3(2-2)
FWM-510	Research Methods and Scientific Writing	3(3-0)
FWM-511	Forest Policy and Law	3(3-0)
FWM-512	Forest Biometrics	3(2-2)
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
FWM-411	Forest Utilization	3(3-0)
FWM-601	Watershed Management	3(2-2)
FWM-603	Wildlife Policy and Law	3(3-0)
FWM-605	Forest Management	3(3-0)
FWM-607	Wetlands Management	3(3-0)
FWM-609	Ecotourism, Park and Protected Areas Management	3(3-0)
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
FWM-602	Forest Management Plan	3(1-4)
FWM-604	Forest Accounts and Procedures	3(3-0)
FWM-608	Biodiversity Conservation	3(3-0)
FWM-610	Protected Area Management Plan	3(1-4)
FWM-306	Islamic Studies	2(2-0)
FWM-307	Pakistan studies	2(2-0)
Total Credit Hours		**16**

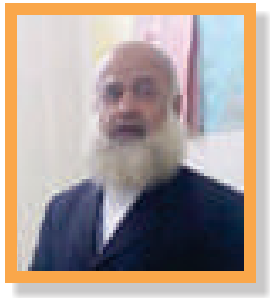
Scheme of Studies MPhil

Course Code	Course Name	Credit Hours
FWM-	Protected areas & wildlife management	3(3-0)
FWM-	Wildlife, forestry and wetland management	3(3-0)
FWM-	Forest biometrics and resource economics	3(3-0)
FWM-	Forest resource ecology	3(3-0)
FWM-	Pastoral communities and range Development	3(3-0)
FWM-	Forest recreation and park management	3(3-0)
FWM-	Grazing and wildlife management in humid rangeland	3(3-0)
FWM-	Wildlife, range & forestry research methods	3(3-0)
FWM-701	Wildlife Population Ecology	3(3-0)
FWM-702	Wildlife Food and Foraging	3(3-0)
FWM-703	Predator Ecology Management	3(3-0)
FWM-	Biochemistry	3(3-0)
FWM-705	Endangered Species and their Management	3(3-0)
FWM-707	Wildlife Data Analysis	3(1-4)
FWM-308	Elementary Statistics	3(3-0)
FWM-706	Captive Wildlife Management	3(3-0)
FWM-711	Applied Silviculture	3(3-0)
FWM-	Industrial Ecology	
FWM-710	Mountain Ecosystems and Sustainable Livelihoods	3(3-0)
FWM-	Lab Instrumentation and Techniques	
FWM-	Advance Statistic with Computer Applications	

Course Code	Course Name	Credit Hours
FWM-	Forestry and Environment	
FWM-	Timber Mechanics and Socioeconomic Development	3(3-0)
FWM-	Drought Management in Rangelands	
FWM-	Developments in Watershed Management	
FWM-	Forest Soil and Water Conservation	
FWM-	Wetland Wildlife Management	
	Wildlife Eco-Toxicology	3(3-0)
FWM-	Wildlife Diseases and their Management	3(3-0)
FWM-	Museum Science	3(2-2)
FWM-	Essentials of Wildlife Conservation-National Perspectives	
FWM-	Capture, Care and Transportation of Wildlife	3(3-0)
FWM-	Wildlife Policy, Legislation and International Conventions	3(2-2)
FWM-	Biology and Conservation of Amphibians and Reptiles	3(3-0)
FWM-	Captive Breeding and Assisted Reproduction in Wildlife	3(2-2)
FWM-	Wildlife Farming and Ranching	3 (2-2)
FWM-	Special problem	3 (3-0)
FWM-	Seminar	1 (1-0)
FWM-	Thesis Research For M.Phil (Forestry And Wildlife Management)	1 (1-0)
		10 (0-20)

FACULTY PROFILE

Dr. Mohammad Salim
Head of Department
Assistant Professor



Dr. Ahmad Hussain
Assistant Professor

Dr. Sajida Naureen
Assistant Professor

Dr. Durre Shahwar
Assistant Professor

Muhammad Saad
Assistant Professor

Dr. Majid Hussain
Lecturer

Mr. Muhammad Kabir
Lecturer

Ms Ume Habiba
Lecturer

Ms Sadaf Siddique
Lecturer

DEPARTMENT OF GEOLOGY

DEPARTMENT OF GEOLOGY

Introduction

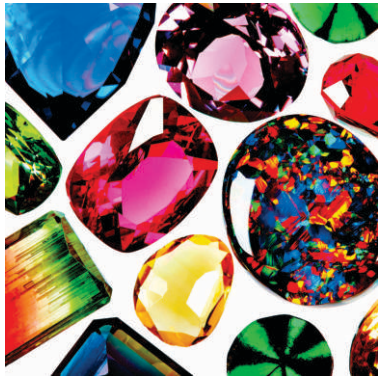
Department of Geology aims to acquire a leadership role in Earth sciences in Pakistan with international prominence in the field of Engineering Geology, Geophysics, Hydrogeology, Industrial Rocks & Minerals and Petroleum Reservoir Characterization. We will create, integrate, and transform fundamental understanding of Earth processes for better understanding and safe management of Earth and its resources. The department strives to foster an environment in which students learn to think, conduct research, apply knowledge, and achieve success in a diverse manner to change the national economy.

Mission

It is our mission to produce professional pool of geoscientists having knowledge, skills, and values to better understand and explore the Earth and its resources. To contribute in socio-economic development of country and benefit the human kind. To identify and mitigate the risk posed by natural hazards, and the consequences of human activities on this planet earth.

Goal

Our goal includes providing high level teaching and facilitating quality research. This includes building up friendly learning environment & facilities that lead to student's success.



ACADEMIC PROGRAM:

The Department of Geology, University of Haripur is offering admission in the following academic program:

(i) BS (4 Years) Geology

The students intend to take admission in BS (4 Years) should have passed Intermediate (Pre-Medical or Pre-Engineering) having at least 2nd division and matric with science. Or three years Diploma in Associate Engineering (DAE) - equivalent to F.Sc. The University of Haripur will arrange a general test for admission in the BS (4 Years) with the help of ETEA (Education Testing and Evaluation Agency) , Peshawar.

Scheme of Studies for BS (04 Years) Geology

SEMESTER 1st

Course Code	Course Name	Credit Hours
Eng. 301	English I	3
Isl.St./Eth.301	Islamic Studies/Ethics	2
Math. 301	Mathematics I	3
Phy. 301	Physics I	3
Chem. 301	Chemistry I	3
Geol. 301	General Geology	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
Eng. 302	Communication Skills (English II)	3
Math. 302	Mathematics II	3
Phy. 302	Physics II	3
Chem. 302	Chemistry II	3
Geol. 302	Geomorphology	3
Geol. 304	Geological Field Work-I	2
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
Pk. St. 401	Pakistan Studies	2
Comp. 401	Computer Applications in Geology	3
Arab. 401	Arabic Language	3
Geol. 401	Introduction to Geostatistics	3
Geol. 403	Introduction to Paleontology	3
Geol. 405	Stratigraphy	3
Total Credit Hours		**17**

SEMESTER 4th

Course Code	Course Name	Credit Hours
Eng. 402	Tech. Report Writing (Eng. III)	3
Geol. 402	Sedimentology	3
Geol. 404	Environmental Geology	3
Geol. 406	Crystallography and Optical Mineralogy	3
Geol. 408	Structural Geology	3
Geol. 410	Geological Fieldwork-II	2
Total Credit Hours		**17**

SEMESTER 5th

Course Code	Course Name	Credit Hours
Geol.501	Geo-tectonics	3
Geol.503	Engineering Geology	3
Geol.505	Geophysics	3
Geol.507	Mineralogy	3
Geol.509	Igneous & Metamorphic Petrology	3
Geol.511	Introduction to GIS & RS	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
Geol.502	Sequence Stratigraphy	3
Geol.504	Hydrogeology	3
Geol.506	Petroleum Geology	3
Geol.508	Field Geology	3
Geol.510	Economic Geology	3
Geol.512	Geological Fieldwork – III	2
Total Credit Hours		**17**

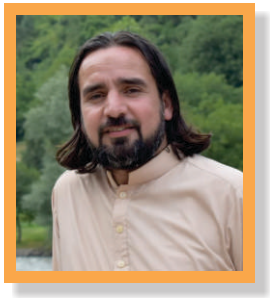
SEMESTER 7th

Course Code	Course Name	Credit Hours
Geol.601	Logging & Log Interpretation	3
Geol.603	Geology of Pakistan	3
Geol.605	Micropaleontology	3
Geol.607	Geochemistry	3
Geol.609	Advanced Hydrogeology	3
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
Geol.602	Elective Course –I	3
Geol.604	Elective Course –II	3
Geol.606	Reading and Conference /	0
	Independent Study	6
Geol.608	Thesis	
Total Credit Hours		**12**

FACULTY PROFILE



Mr. Qasim ur Rehman
Head of Department
Assistant Professor

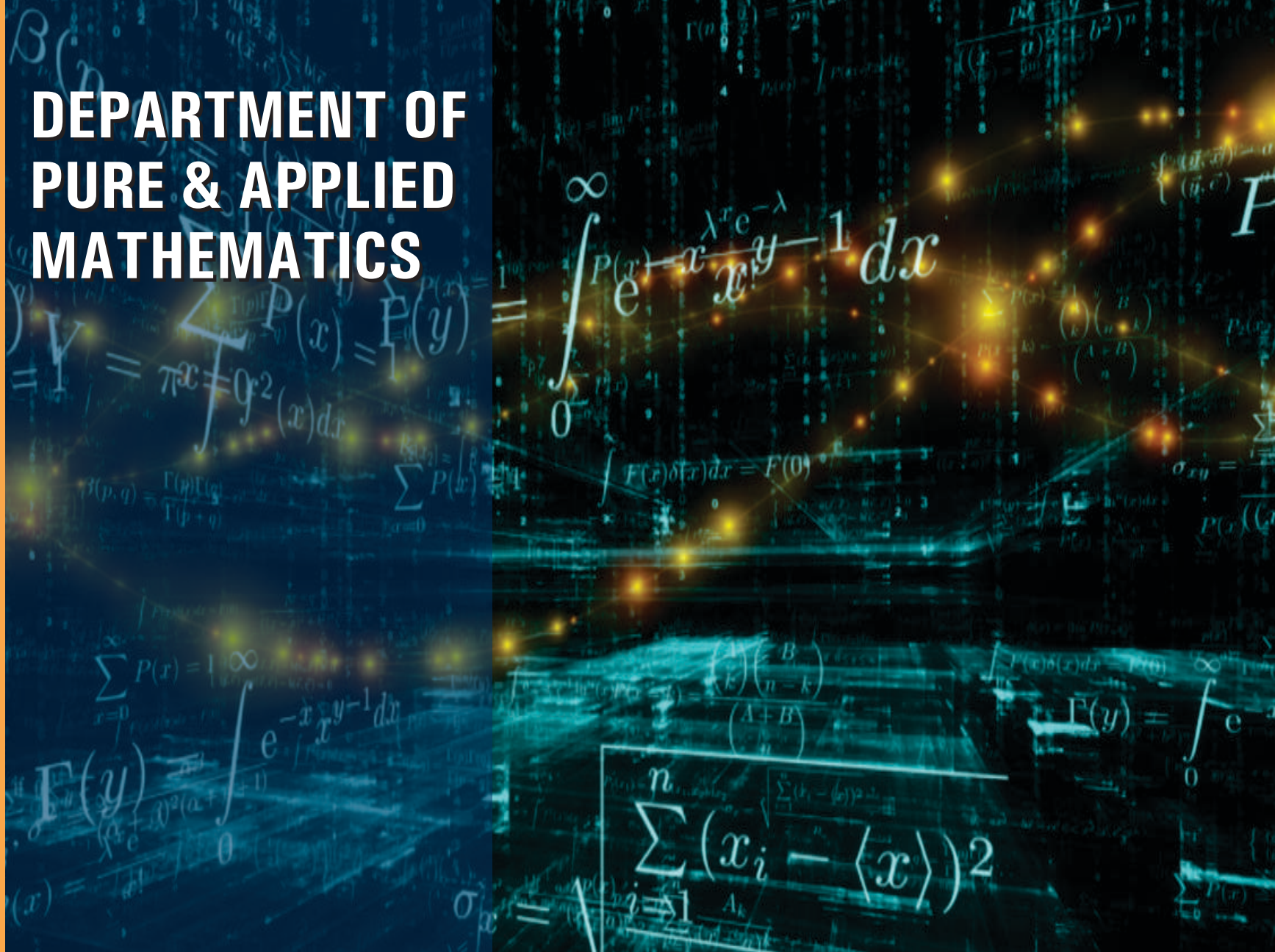
Dr. Anwar Qadir
Assistant Professor

Mr. Azeem Shah
Lecturer

Salman Ahmad Khattak
Lecturer

Mr. Tofeeq Ahmad
Lecturer

DEPARTMENT OF PURE & APPLIED MATHEMATICS



DEPARTMENT OF PURE & APPLIED MATHEMATICS

Introduction

The Department of Pure & Applied Mathematics was established as an independent department in November, 2016. The underlying idea behind establishing this department is to facilitate research in the new and emerging fields of Mathematics. The department is expanding to offer a variety of programs leading to both undergraduate and graduate degrees in Pure and Applied Mathematics. The Department is responsible for the teaching of graduate students within the Department and undergraduate Mathematics courses in all other departments. Faculty members conduct research in Fuzzy and Classical algebra, Analysis, Applied Mathematics, Modeling, and Numerical Analysis, Mathematical biology and Graph theory with Applications.

Mission

To communicate the beauty, utility, and excitement of Mathematics and to be at the frontiers of new discoveries.

Goals

To develop state of the art research environment both in pure and applied Mathematics within the department.

To be a resource in the Mathematical sciences for other disciplines whose own activities have an ever-increasing need for the power of Mathematics;

ACADEMIC PROGRAMS:

The Department of Pure and Applied Mathematics, University of Haripur is offering admission in the following academic program:

(i) BS (Hons.)

The candidate seeking admission in BS Mathematics Program, must meet the following eligibility criterion.

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

(ii) MS

1. The applicants must have completed 4-year BS (Mathematics) with CGPA 2.0 out of 4.0; or MA/MSc in Mathematics with at least 2nd division or equivalent grade.
2. GAT-general with a minimum cumulative score of 50% or GRE (International) Subject Test with 50 % percentile score or GAT subject test with 60 % marks will be required at the time of admission.

Scheme of Studies for BS (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
MTH-101	Calculus-I	4
MTH-102	Elements of Set Theory and Mathematical Logic	3
MTH-103	English (Functional English)	3
MTH-104	Islamic Studies/ Ethics	2
MTH-105	G-1	3
MTH-106	Introduction to Computers	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
MTH-111	Calculus-II	3
MTH-112	Software Packages	1+2
MTH-113	Statistics	3
MTH-114	English Communication Skills	3
MTH-115	Pakistan Studies	2
MTH-116	G-2	3
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
MTH-201	Algebra I (group Theory)	3
MTH-202	Calculus III	4
MTH-203	G-3	3
MTH-204	English-III (Technical Writing)	3
MTH-205	Computer Programming	2+1
Total Credit Hours		**16**

SEMESTER 4th

Course Code	Course Name	Credit Hours
MTH-211	Affine and Euclidean Geometry	3
MTH-212	Linear Algebra	3+1
MTH-213	G-4	3
MTH-214	Discrete Mathematics	3
MTH-215	Any Foreign Language	3
Total Credit Hours		**16**

SEMESTER 5th

Course Code	Course Name	Credit Hours
MTH-301	Topology	3
MTH-302	Differential Geometry	3
MTH-303	Ordinary Differential Equations	3
MTH-304	Real Analysis	3
MTH-305	Algebra-II (Rings and Fields)	3
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
MTH-311	Classic Mechanics	3
MTH-312	Partial Differential Equations	3
MTH-313	Complex Analysis	3
MTH-314	Functional Analysis	3
MTH-315	Real Analysis-II	3
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
MTH-401	Numerical Analysis	3+1
MTH-402	Number Theory	3
MTH-403	E-1	3
MTH-404	E-4	3
MTH-405	Mathematical Methods	3
Total Credit Hours		**16**

SEMESTER 8th

Course Code	Course Name	Credit Hours
MTH-411	Probability Theory	3
MTH-412	Integral Equations	3
MTH-413	E-3	3
MTH-414	E-5	3
MTH-405	Project	3
Total Credit Hours		**15**

Scheme of Studies for MS Mathematics

SEMESTER 1st

Course Code	Course Name	Credit Hours
MTH-XXX	Core Course	3
MTH-XXX	Core Course	3
MTH-XXX	Optional	3
MTH-XXX	Optional	3
Total Credit Hours		**12**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
MTH-XXX	Core Course	3
MTH-XXX	Core Course	3
MTH-XXX	Optional	3
MTH-XXX	Optional	3
Total Credit Hours		**15**

Scheme of Studies for MS

Course Code	Course Name	Credit Hours
MTH- 750	Research Thesis	06
MTH-702	Group Theory	03
MTH-730	Numerical solution of ODE's	03
MTH-704	Advance Group Theory	03
MTH-734	Partial Differential Equations	03
MTH-742	Riemannian Geometry	03
MTH-743	Mathematical Techniques	03
MTH-744	ODEs and Computational Linear Algebra	03
MTH-745	Functional Analysis	03
MTH-746	Integral Equations	03
MTH-747	Advanced Mathematical Physics	03
MTH-701	Advance Algebra	03
MTH-703	Advance Graph Theory	03
MTH-705	Advance Operation Research i	03
MTH-706	Advance Operation Research ii	03
MTH-707	Advance Ring Theory	03
MTH-708	Advance Topology	03
MTH-709	Algebraic Topology	03
MTH-710	Advance Analytical Dynamics i	03
MTH-711	Advance Analytical Dynamics ii	03
MTH-712	Applied Functional Analysis	03
MTH-713	Banach Algebra	03
MTH-714	Bio Mathematics	03
MTH-715	Computational Fluid Dynamics	03

Course Code	Course Name	Credit Hours
MTH-716	Computational Methods	03
MTH-717	Convolution in Geometric Function Theory	03
MTH-718	Differential Subordination Theory	03
MTH-719	Geometric Function Theory	03
MTH-720	Integral Equations	03
MTH-721	Large Scale Scientific Computation	03
MTH-722	Mathematical Methods	03
MTH-723	Mathematical Techniques for Boundary Value Problems	03
MTH-724	Multivariate Analysis i	03
MTH-725	Multivariate Analysis ii	03
MTH-726	Numerical Analysis of Spectral Methods	03
MTH-727	Numerical Linear Algebra	03
MTH-728	Numerical Solutions of Integral Equations i	03
MTH-729	Numerical Solutions of Integral Equations ii	03
MTH-731	Numerical Solution of PDES	03
MTH-732	Optimization Theory i	03
MTH-733	Optimization Theory ii	03
MTH-735	Perturbation Methods i	03
MTH-736	Perturbation Methods ii	03
MTH-737	Probability and Probability Distributions i	03
MTH-738	Probability and Probability Distributions ii	03
MTH-739	Semi Group Theory	03
MTH-740	Viscous Fluid i	03
MTH-741	Viscous Fluid ii	03

FACULTY PROFILE

Dr. M. Kamran Alam
Head of Department
mkalam@uoh.edu.pk

Dr. Murad ul Islam Khan
Assistant Professor
muradulislam@uoh.edu.pk

Mr. Tauseef Asif
Lecturer
tasif@uoh.edu.pk

Mr. Didar Murad
Lecturer
didar@uoh.edu.pk

DEPARTMENT OF MICROBIOLOGY

DEPARTMENT OF MICROBIOLOGY

Introduction

Microbiology is a very important discipline in biological sciences. First admissions of the department were offered in Fall, 2012 in BS degree Program. Now the department is also offering admissions to M. Sc and M. Phil Programs as well. We have dynamic, young and hardworking faculty with highest academic degrees from well reputed universities of country as well as from abroad. We are having one of best well equipped laboratory as compared to universities in the surrounding.

Mission

Our mission is to be recognized regionally, nationally as well as internationally for its scholarly work and effective student training. Our mission is to bring the Department among the top ten Microbiology Departments in the nation measured by scholarly works per faculty, student placement success and other measures.

Goals

To train people at graduate and postgraduate level to serve in teaching, pharmaceutical, hospitals, dairy industries and labs. We are trying to produce students with such skills that can help them to raise the country's economy.

ACADEMIC PROGRAMS:

Department of Microbiology is currently offering admissions in three programs namely BS Microbiology (4 Years), M. Sc Microbiology (2Years) and M. Phil Microbiology.

(i) BS (Hons.)

The candidate seeking admission in BS Program, must meet the following eligibility criterion.

- Intermediate Pre-Medical securing at least 50% marks in aggregate.

(ii) MSc

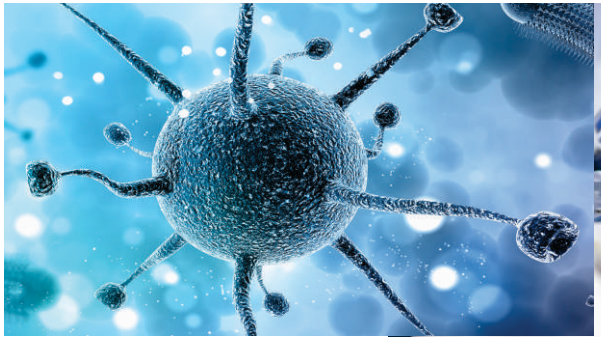
BSc. in Botany, Zoology, Chemistry or geography, or health and physical education or 14 years of education with biological sciences background.

(iii) MPhil

16 years of education with minimum basic qualification: 4 year BS Microbiology / PharmD or 2 years MSc Microbiology, Biotechnology. Applicants are required to pass university entrance test.

(iv) PhD

18 years of education in Microbiology, Biotechnology and related fields. Applicants are required to pass university entrance test.



Scheme of Studies for BS (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ENG 301	Communication skills	3
PAK 302	Pakistan Studies	2
MTH 303	Fundamental Mathematics	3
MIC 304	Introduction to Microbiology	4(3+1)
CHE 305	General Chemistry	3(2+1)
MIC 306	Cell biology	3(2+1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ENG307	Technical English Writing presentation skills	3
ISL 308	Islamic Studies	2
MIC 309	Biostatistics	3
MIC 310	General Microbiology	4(3+1)
MIC 311	Biochemistry	3(2+1)
MIC 312	General Physiology	3(2+1)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
MIC 401	Biodiversity of Animals	3(2+1)
MIC 402	Plant Physiology	3(2+1)
MIC 403	Computer Applications	3(2+1)
MIC 404	Biosafety and risk management	3
MIC 405	General Immunology	3(2+1)
Total Credit Hours		**15**

SEMESTER 4th

Course Code	Course Name	Credit Hours
MIC 407	Sociology	3
MIC 408	Epidemiology	3
MIC 409	General Virology	3(2+1)
MIC 410	Microbial Diversity	4(3+1)
MIC 411	Microbial Genetics	3(2+1)
Total Credit Hours		**16**

SEMESTER 5th

Course Code	Course Name	Credit Hours
MIC 502	Medical Microbiology	4(3+1)
MIC 503	Molecular Biology	3(2+1)
MIC 504	Mycology	3(2+1)
MIC 505	Microbial Physiology	3(2+1)
MIC 506	Genetic Engineering	4(3+1)
Total Credit Hours		**17**

SEMESTER 6th

Course Code	Course Name	Credit Hours
MIC 507	Research Methodology	3
MIC 508	Industrial Microbiology	4(3+1)
MIC 509	Food Microbiology	3(2+1)
MIC 510	Medical Virology	4(3+1)
MIC 511	Clinical Microbiology	4(3+1)
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
MIC 601	Soil Microbiology	3(2+1)
MIC 602	Elective I	3
MIC 603	Elective II	3
MIC 604	Environmental Microbiology	3(2+1)
MIC 605	Research Project/Elective courses	3(0+3)
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
MIC 606	Elective III	3
MIC 607	Elective IV	3
MIC 608	Bioinformatics	3(2+1)
MIC 605	Research Project /Elective courses	3(0+1)
Total Credit Hours		**12**

Scheme of Studies for MS Microbiology

SEMESTER 1st

Course Code	Course Name	Credit Hours
STAT 501	Biostatistics	3
MIC 502	General Microbiology	3 (2+1)
MIC 406	Cell Biology	3 (2+1)
MIC 503	Microbial Genetics	3(2+1)
MIC 504	Biochemistry	3(2+1)
MIC 401	Biosafety and Risk Management	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
MIC505	Microbial anatomy and Physiology	3 (2+1)
MIC409	General Virology	3 (2+1)
MIC506	Molecular Microbiology	3(2+1)
MIC405	General Immunology	3
MIC507	Mycology	3(2+1)
MIC 511	Food Microbiology	3(2+1)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
MIC 601	Research and Report Writing	3
MIC 408	Epidemiology	3
MIC 603	Cell and Tissue Culture Technology	3(2+1)
MIC 604	Molecular Mechanism of Antimicrobial Drugs	3(2+1)
MIC 502	Medical Microbiology	4(3+1)
Total Credit Hours		**16**

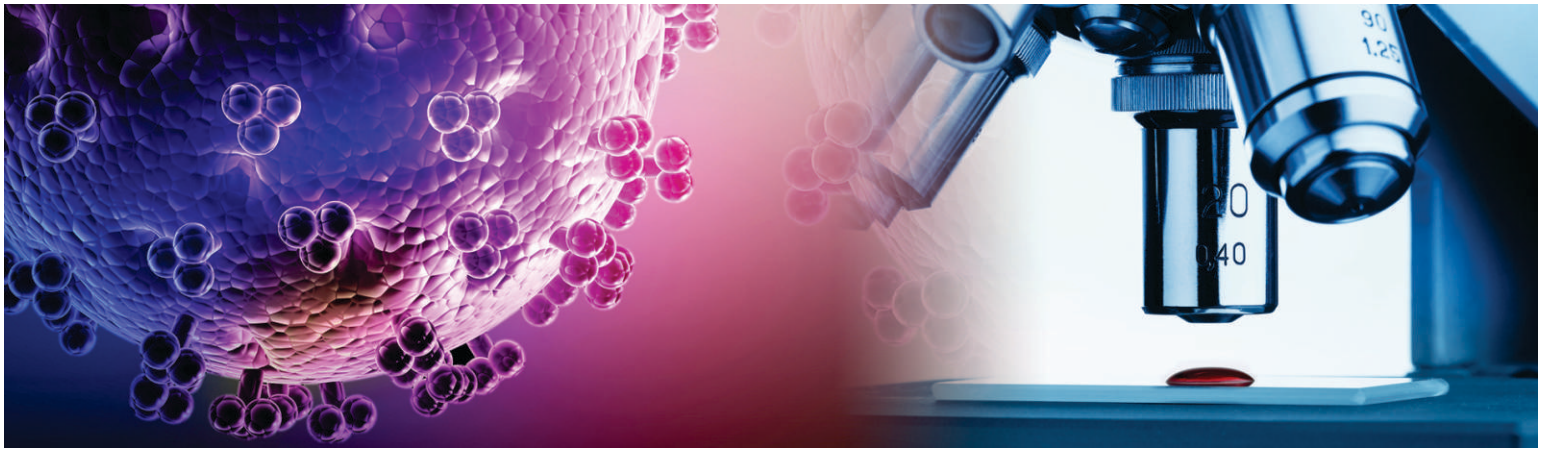
SEMESTER 4th

Course Code	Course Name	Credit Hours
MIC 603	Industrial Microbiology	4(3+1)
MIC 606	Environmental Microbiology	3(2+1)
MIC607	Microbial Enzymes Technology	3(2+1)
	Research work and Thesis	6
Total Credit Hours		**16**

Scheme of Studies for MPhil

Course Code	Course Name	Credit Hours
MIC-511	Microbial Biotechnology	3+1
MIC-512	Advances in Microbiology	3+1
MIC-513	Molecular Mechanism of Pathogenesis	3+1
MIC-514	Biosafety and Lab Management	4+0
MIC-515	Advances in Medical Microbiology	3+1
MIC-516	Computational Biology	3+1
MIC-517	Research Methodology	4+0
MIC-519	Microbial Plant Disease	3+1
MIC-520	Advances in Microbial genetics	3+1
MIC-521	Advances in Immunology	3+1
MIC-522	Diagnostic Virology	3+1

Course Code	Course Name	Credit Hours
MIC-523	Clinical Parasitology	3+1
MIC-524	Advances in Soil Microbiology	3+1
MIC-611	Advances in Molecular Biology	3+1
MIC -612	Epidemiology and Public Health	4
MIC -613	Molecular Mechanism of Diseases	3+1
MIC -614	Environmental Toxicology	3+1
MIC -615	Plant Microbe Interaction	3+1
MIC -621	Environmental Pollution	3+1
MIC -622	Advances in Food Microbiology	3+1
MIC -623	Advances in Mycology	3+1
MIC-624	Management of Infectious waste	3+1



FACULTY PROFILE

Dr. Sobia Nisa
Head of Department/Assistant Professor
sobia@uoh.edu.pk

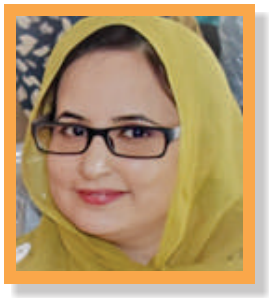
Dr. Syeda Asma Bano
Assistant Professor
asma_baano@yahoo.com
syeda.asma@uoh.edu.pk

Dr. Syed Muhammad Ali
Assistant Professor
mirwah2000@yahoo.de

Dr. Sadia Alam
Assistant Professor
sadia.alam2004@gmail.com

Dr. Waqas Ahmed
Assistant Professor
waqas.ahmed@uoh.edu.pk

Dr. Mumtaz Khan
Assistant Professor
mumtaz.muhammadee@gmail.com



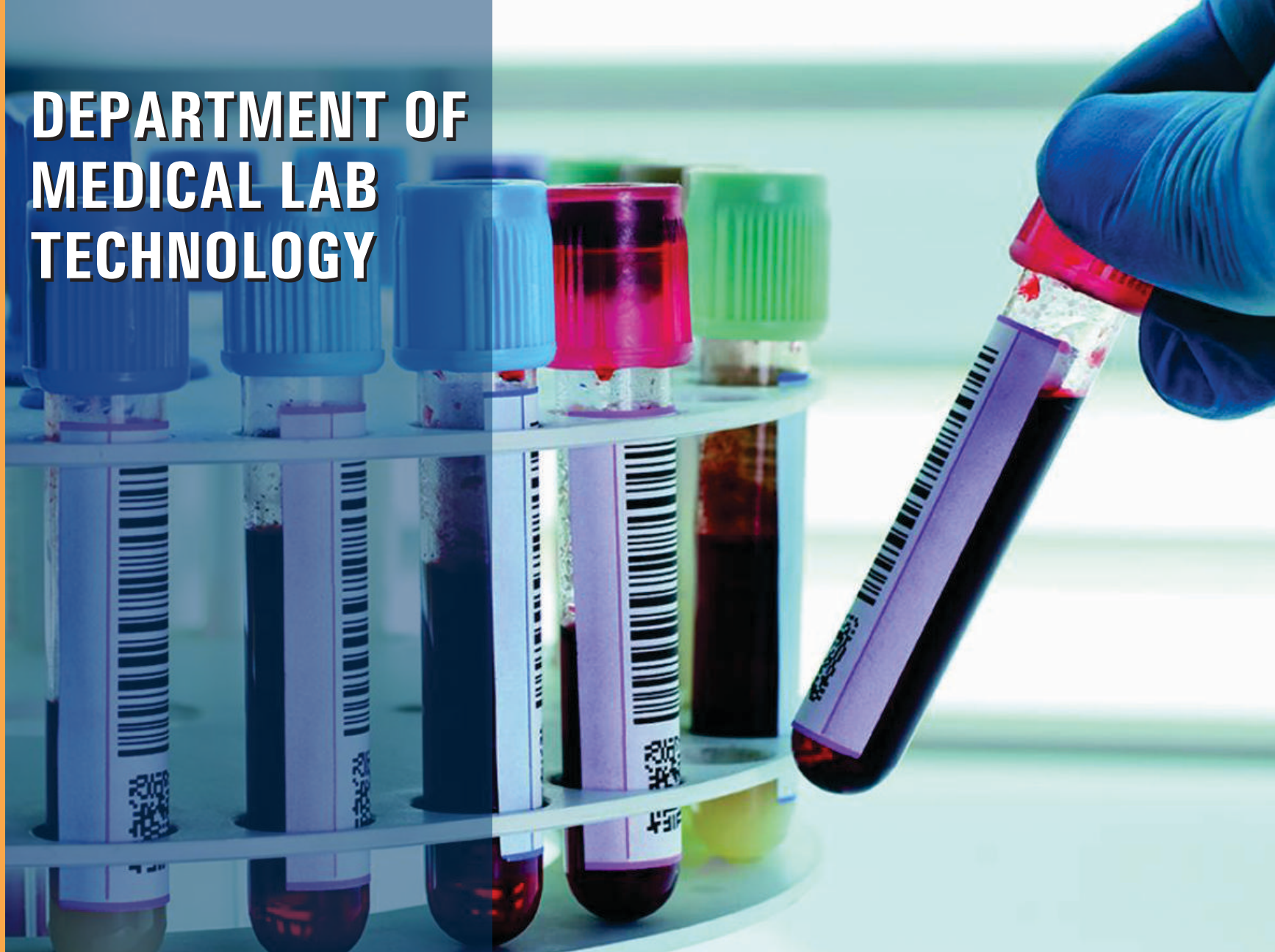
Dr. Maimoona Sabir
Assistant Professor
monasabir@uoh.edu.pk

Dr. Farakh Javed Sheikh
Assistant Professor
farukhbbt@gmail.com

Dr. Irshad-ul-Haq
Assistant Professor
irshadulhaq85@gmail.com
irshadulhaq@uoh.edu.pk

Afshan Saleem
Lecturer
afsheesaleem@gmail.com

DEPARTMENT OF MEDICAL LAB TECHNOLOGY



DEPARTMENT OF MEDICAL LAB TECHNOLOGY

Introduction

Medical Laboratory Science is concerned with clinical education and is intended to offer students with opportunity to apply and integrate knowledge and technical skills in actual clinical settings. Additionally diagnostics present quantitative measurements that form the basis for in time detection, diagnosis, treatment, and successful management of health conditions. During the course offered students gain knowledge about diseases diagnostic test procedures, instrumentation in the clinical laboratory and quality control methods to get accurate results.

Medical laboratory science at UoH is a complex field embracing a number of different disciplines such as Clinical Chemistry, Microbiology, Hematology, Immunology, Serology, Urinalysis, Histopathology, Immunohematology and Molecular biology and etc.

Mission

The mission of the Department of Medical Lab Technology is to provide students with the technical skills and knowledge needed to perform routine clinical laboratory testing in all major areas of the laboratory.

Goals

To produce a cadre of trained professionals to help health practitioners in proper diagnosing and treatment of diseases.

ACADEMIC PROGRAMS:

Department of MLT is currently offering admissions in three programs namely BS MLT (4 Years), M. Sc MLT (2Years) and MS / M. Phil in MLT.

(i) BS (Hons.)

The candidate seeking admission in BS MLT Program, must meet the following eligibility criterion.

- Intermediate (Pre-Medical) or equivalent securing at least 50% marks in aggregate.

(ii) MPhil

A 4-year BS (Hons)/ BSc 2 years + M.Sc. in Medical Lab Technology. Minimum CGPA of 2.50 or 1st division.

Scheme of Studies for BS (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ENG 301	English I	3(3-0)
PK. ST 302	Pakistan Studies	2(2-0)
MLT 111	Biochemistry I	3(2-1)
MLT 112	Human Anatomy	3(2-1)
MLT 113	Basic Concepts of Mathematics	3(3-0)
MLT 114	Fundamentals of Clinical Lab	3(2-1)
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ENG 307	English II	3(3-0)
ISL. STD 308	Islamic Studies	2(2-0)
MLT 121	General Pathology I	3(3-0)
MLT 122	Biochemistry II	3(3-0)
MLT 123	Human Physiology	3(2-1)
MLT 124	General Microbiology	3(2-1)
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
MLT 211	Clinical Hematology I (Theory)	3(3-0)
MLT 212	Clinical Hematology I (Practical)	3(0-3)
MLT 213	Chemical Pathology I (Theory)	3(3-0)
MLT 214	Chemical Pathology I (Practical)	3(0-3)
MLT 215	General Pathology II	3(3-0)
MLT 216	Molecular Biology	3(2-1)
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
MLT 221	Clinical Hematology II	3(2-1)
MLT 222	Chemical Pathology II	3(2-1)
MLT 223	Behavioral Sciences	2(2-0)
MLT 224	Computer Skills	3(2-1)
MLT 225	Biotechnology	3(2-1)
MLT 226	Basic Pharmacology	3(3-0)
Total Credit Hours		**17**

SEMESTER 5th

Course Code	Course Name	Credit Hours
MLT 311	Medical Bacteriology (Theory)	3(3-0)
MLT 312	Medical Bacteriology (Practical)	3(0-3)
MLT 323	Cytology and Histology	3(2-1)
MLT 314	Clinical Immunology	3(2-1)
MLT 315	Human Genetics	3(2-1)
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
MLT 321	Medical Parasitology (Theory)	3(2-1)
MLT 322	Medical Parasitology (Practical)	3(0-3)
MLT 323	Medical Virology	3(3-0)
MLT 324	Research Methodology	3(3-0)
MLT 325	Molecular Pathology	3(2-1)
MLT 326	Epidemiology and Statistic	3(3-0)
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
MLT 411	Histotechniques	3(2-1)
MLT 412	Blood Banking and Transfusion Medicine	3(2-1)
MLT 413	Bioinformatics	3(3-0)
MLT 414	Medical Mycology	3(3-0)
MLT 415	Bio-Medical Ethics	2(2-0)
MLT 416	Serology	3(2-1)
Total Credit Hours		**17**

SEMESTER 8th

Course Code	Course Name	Credit Hours
MLT 421	Biosafety and Biosecurity: Principles and Practices	3(2-1)
MLT 422	Clinical Lab Management & Quality Control	3(2-1)
MLT 423	Research Report	6(6-0)
MLT 424	Elective course	3(3-0)
Total Credit Hours		**15**

Scheme of Studies for MPhil

Course Code	Course Name	Credit Hours
MLT-611	Professional Standards: Biosafety, Bioethics & Quality Assurance	3(3-0)
MLT-612	Biostatistics	3(2-1)
MLT-613	Genetic Engineering	3(3-0)
MLT-614	Bioinformatics	3(2-1)
MLT-615	Communication Skills and Research Methodology	3(3-0)
MLT-616	Special Problem	1(1-0)
MLT-621	Basic Molecular Biology	3(3-0)
MLT-622	Molecular Pathology	3(2-1)
MLT-623	Advances in Molecular Diagnostics	3(3-0)

Course Code	Course Name	Credit Hours
MLT-624	Cellular Signal Transduction and Disease	3(2-1)
MLT-625	Clinical Biochemistry	3(2-1)
MLT-626	Special Chemistry	3(3-0)
MLT-627	Advances in Biochemistry	3(3-0)
MLT-628	Systemic Clinical Bacteriology	3(2-1)
MLT-629	Diagnostic Virology	3(2-1)
MLT-6230	Emerging and Reemerging Infectious Diseases	3(3-0)
MLT-631	Techniques for Microbiological Research and Diagnosis	3(3-0)

FACULTY PROFILE

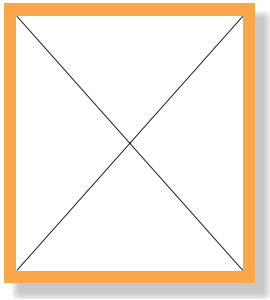
Dr. Sadiq Noor Khan (HoD)
Assistant Professor
snkhan@uoh.edu.pk

Dr. Aamer Ali Khattak
Assistant Professor
amir.khattak@uoh.edu.pk

Dr. Dawood Ahmed
Assistant Professor
dawood@uoh.edu.pk

Dr. Ihsan Ali
Assistant Professor
ihsan.ali@uoh.edu.pk

Mr. Abdul Jabbar
Assistant Professor
abdul.jabbar@uoh.edu.pk



Mr. Mudassar Khan
Lecturer
mudassar.khan@uoh.edu.pk

Muhammad Jamal
Lecturer
jammal.khan@uoh.edu.pk

Haji Mohammad Rashid
Lecturer
m.rashid@uoh.edu.pk

Ms. Mehreen Abbasi
Lecturer
mehrin.akhlaq@gmail.com

DEPARTMENT OF INFORMATION TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY (IT)

Introduction

The Department of IT offers degrees at the undergraduate level and graduate levels. The department believe in a strong advising approach at all levels, and advisors help the students to choose the appropriate program according to their goals, needs and interests. Students who are interested in a Computer Science degree with a rich set of elective options taught by experts in their field should consider IT Department of Haripur University as a best choice.

The Department of IT strives to offer quality undergraduate and graduate courses and programs in computer science. Consistent with these objectives are the high priorities the department places on quality research and effective teaching. The department seeks to attract highly qualified students as at its taught programs.

Faculty quality is of utmost importance for strong academic programs. The department believes that combining scientific research with teaching raises the quality of teaching. In order to best serve its students and the University, the department strives to attract and nurture faculty of high calibre in research and teaching. The department strives to maintain a productive research climate in which innovative and effective teaching flourishes.

Mission

To prepare our students with up-to-date curricula in the computer science disciplines by ensuring that they have a solid foundation in the core concepts with problem solving and decision-making skills so that they occupy high-quality technical professional positions to the highest legal and ethical standard.

Goal

To build the professional capacity of students to work individually and collectively for the solution of current and prevention of emerging problems through IT solutions.

ACADEMIC PROGRAMS:

Department of IT is currently offering admissions in five programs namely BS(CS), BS(SE), MCS, MS and PhD.

(i) BS (Hons.) in Computer Science/Software Engineering

The candidate seeking admission in BS(CS)/BS(SE) Programs, must meet the following eligibility criterion.

F.Sc (Pre-Engineering), F.Sc (Pre-Medical with additional Math), ICS with Physics or Statistics or Economics, General Science with Mathematics, Statistics or Economics OR A-Level / Equivalent with (At least three full credit Science courses including Mathematics). Minimum B Grade / Equivalence certificate from IBCC (At least 45 % Marks/Second Division)

(ii) MCS

Bachelors or any other equivalent and relevant degree with Mathematics (At least 45 % Marks/Second Division).

(iii) MS

BS (CS) 4 Years Degree Programme (min 130-136 credit hours), or Computer Science Conversion Course 2 Years Degree Programme referred to as “MCS” or “MSc (CS)”.

16 year Computer Science/Engineering relevant graduates are eligible subject to the satisfaction of admission committee and chairman of the department.

Scheme of Studies for BS(CS)

SEMESTER 1st

Course Code	Course Name	Credit Hours
BCS-101	Introduction to Computing	4
BCS-102	Programming Fundamentals	4
BCS-103	Calculus and Analytical Geometry	3
BCS-104	Pakistan Studies and Islamic Studies	3
BCS-105	English-I (Functional English)	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
BCS-111	Discrete Structures	3
BCS-112	Object Oriented Programming	3
BCS-113	Multivariable Calculus	3
BCS-114	Probability and Statistics	3
BCS-115	English-II (Technical & Report Writing Skills)	3
Total Credit Hours		**15**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
BCS-201	Digital Logic and Design	3
BCS-202	Data Structures and Algorithms	3
BCS-203	Linear Algebra	3
BCS-204	English-III (Communication Skills)	3
BCS-205	Electromagnetism	3
BCS-206	University Elective I	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
BCS-211	Operating Systems	4
BCS-212	Differential Equations	3
BCS-213	Introduction to Database Systems	4
BCS-214	Introduction to Software Engineering	3
BCS-215	Computer Organization and Assembly Language	3
Total Credit Hours		**17**

SEMESTER 5th

Course Code	Course Name	Credit Hours
BCS-301	Computer Communication and Networks	3
BCS-302	Theory of Automata & Formal Languages	3
BCS-303	Computer Architecture	3
BCS-304	Human Computer Interaction	3
BCS-305	University Elective II	3
BCS-306	University Elective III	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
BCS-311	Compiler Construction	3
BCS-312	CS Elective I	3
BCS-313	Numerical Computations	3
BCS-314	Design and Analysis of Algorithms	3
BCS-315	CS Elective II	3
BCS-316	University Elective IV	3
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
BCS-401	Software Design Project I	3
BCS-402	Professional Practices	3
BCS-403	CS Elective III	3
BCS-404	CS Elective IV	3
BCS-405	Artificial Intelligence	3
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
BCS-411	Software Design Project II	3
BCS-412	CS Elective V	3
BCS-413	CS Elective VI	3
BCS-414	CS Elective VII	3
Total Credit Hours		**15**

Scheme of Studies for BS(SE)

SEMESTER 1st

Course Code	Course Name	Credit Hours
SWE-101	Introduction to Computing	3
SWE-102	Programming Fundamentals	4
SWE-103	Calculus and Analytical Geometry	3
SWE-104	Physics	3
SWE-105	English-I (Functional English)	3
Total Credit Hours		**16**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
SWE-111	Discrete Structures-I	3
SWE-112	Object Oriented Programming	3
SWE-113	Supporting Elective I	3
SWE-114	GE/University Elective I	3
SWE-115	English-II (Communication Skills)	3
Total Credit Hours		**15**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
SWE-201	Introduction to Software Engineering	3
SWE-202	Data Structures and Algorithms	3
SWE-203	Digital Logic & Design	3
SWE-204	Linear Algebra	3
SWE-205	Pakistan Studies and Islamic Studies	3
Total Credit Hours		**15**

SEMESTER 4th

Course Code	Course Name	Credit Hours
SWE-211	Operating Systems	3
SWE-212	Software Construction	3
SWE-213	Supporting Elective II	3
SWE-214	GE/University Elective II	3
SWE-215	Introduction to Database Systems	3
SWE-216	English-III (Technical and Report Writing)	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
SWE-301	Software Requirement Engineering	3
SWE-302	Probability and Statistics	3
SWE-303	Computer Communication and Networks	3
SWE-304	SE Elective I	3
SWE-305	Supporting Elective III	3
SWE-306	GE/University Elective III	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
SWE-311	Human Computer Interaction	3
SWE-312	Software Quality Engineering	3
SWE-313	Software Design & Architecture	3
SWE-314	Formal Methods in Software Engineering	3
SWE-315	SE Elective II	3
SWE-316	SE Application Domain Elective –I	3
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
SWE-401	Senior Capstone Project I	3
SWE-402	Software Project Management	3
SWE-403	Professional Practice	3
SWE-404	SE Application Domain Elective –II	3
SWE-405	GE/University Elective IV	3
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
SWE-411	Senior Capstone Project II	3
SWE-412	SE Elective III	3
SWE-413	SE Elective IV	3
SWE-414	SE Elective V	3
Total Credit Hours		**12**

Scheme of Studies for MCS

SEMESTER 1st

Course Code	Course Name	Credit Hours
MCS-101	Programming Fundamentals	3
MCS-102	Discrete Mathematics	3
MCS-103	Introduction to Computing	3
MCS-104	Business Communication	3
MCS-105	Digital Logic Design	3
MCS-106	Data Communication & Computer Networks	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
MCS-111	Web Engineering	3
MCS-112	Data Structure and Algorithms	3
MCS-113	Software Engineering -I	3
MCS-114	Object Oriented Programming	3
MCS-115	Comp. Org. & Assembly Language	3
MCS-116	Theory of Automata	3
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
MCS-201	Database System	3
MCS-202	Software Engineering –II	3
MCS-203	Operating System	3
MCS-204	Enterprise Application Development	3
MCS-205	Compiler Construction	3
MCS-206	Artificial Intelligence	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
MCS-211	Analysis of Algorithms	3
MCS-212	Distributed Database	3
MCS-213	System Programming	3
MCS-214	Modern Programming Languages	3
MCS-215	Software Project	6
Total Credit Hours		**18**

Scheme of Studies for MS(CS)

SEMESTER 1st

Course Code	Course Name	Credit Hours
CS- 511	Theory of Computation	3
CS- 512	Advanced Algorithm Analysis	3
CS- 513	Advanced Operating Systems	3
CS- 514	Advanced Computer Architecture	3
Total Credit Hours		**12**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
CS- 515	Elective- I	3
CS- 516	Elective- II	3
CS- 517	Elective- III	3
CS- 518	Elective- IV	3
Total Credit Hours		**12**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
CS- 600	Thesis (partial registration)	3
Total Credit Hours		**3**

SEMESTER 4th

Course Code	Course Name	Credit Hours
CS- 601	Thesis (partial registration)	3
Total Credit Hours		**3**

Scheme of Studies for MS/ MPhil (Computer Science) 2 Years Information Technology

SEMESTER 1st

Course Code	Course Name	Credit Hours
SE-601	Advanced Software Engineering	3
	Topics in Software Engineering	3
	Object Oriented Software Engineering	3
	Software Quality Assurance	3
	Requirements Engineering	3
	Distributed Computing	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
DB-611	Advanced DBMS	3
DB-612	Data Warehousing	3
DB-613	Object Oriented Databases	3
DB-614	Web-Based DBMS	3
DB-615	Topics in DBMS	3
Total Credit Hours		**15**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
CN-621	Advanced Networking	3
CN-622	Network Performance Evaluation	3
CN-623	Topics in Computer Networking	3
CN-624	Network Security	3
CN-625	Network Administration	3
CN-626	Wireless Networks	3
CN-627	Switching and Fault Diagnosis	3
Total Credit Hours		**21**

SEMESTER 4th

Course Code	Course Name	Credit Hours
CC-631	Theory of Programming Languages	3
CC-632	Advanced Topics in Theory of Computation	3
CC-633	Advanced Compiler Design–I	3
CC-634	Advanced Compiler Design–II	3
Total Credit Hours		**12**

SEMESTER 5th

Course Code	Course Name	Credit Hours
BI-641	Advanced Molecular Biology	3
BI-642	Theory and Application of Bioinformatics	3
BI-643	Statistical Methods for Computational Biology.	3
BI-644	Metabolonics, Genomics and Protonics	3
Total Credit Hours		**12**

SEMESTER 6th

Course Code	Course Name	Credit Hours
AI-651	Design of Intelligent Systems	3
AI-652	Natural Language Processing	3
AI-653	Neural Networks	3
AI-654	Mathematical Reasoning	3
AI-655	Decision Support Systems	3
AI-656	Computer Vision	3
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
CA-661	Advanced Logic Design	3
CA-662	Digital System Design	3
CA-663	Integrated Circuit	3
CA-664	Design Verification	3
Total Credit Hours		**12**

SEMESTER 8th

Course Code	Course Name	Credit Hours
MG-671	Advanced Computer Graphics	3
MG-672	Multimedia & Hypermedia System	3
MG-673	Multimedia and Hypermedia System	3
MG-674	Virtual Reality	3
MG-675	Human Computer Interface	3
MG-676	Computer Animation	3
Total Credit Hours		**18**

SEMESTER 9th

Course Code	Course Name	Credit Hours
CE-681	Educational Technology	3
CE-682	Computer Aided Instructions	3
CE-683	Web Based Education Systems	3
CE-684	Measurement of Learning	3
CE-685	Topics in Computer Science Education	3
Total Credit Hours		**15**

SEMESTER 10th

Course Code	Course Name	Credit Hours
HC-691	Intelligent User Interfaces	3
HC-692	Multimedia Database	3
HC-693	Information Retrieval Techniques	3
HC-694	Rich Internet Applications	3
Total Credit Hours		**12**

FACULTY PROFILE

Muhammad Junaid
Head of Department
Assistant Professor
mjunaid@uoh.edu.pk

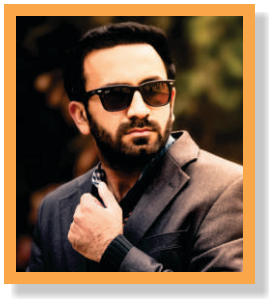
Dr. Yousaf Saeed
Assistant Professor
yousaf@uoh.edu.pk

Dr. Ikramuddin
Lecturer
ikramuddin@uoh.edu.pk

Muhammad Aamir Khan
Assistant Professor
aamir@uoh.edu.pk

Mehmood Ahmed
Assistant Professor
mehmood@uoh.edu.pk

Hamid Asmat
Lecturer
hamid@uoh.edu.pk



Kamran Habib Khan
Lecturer
kamran.hkhan@uoh.edu.pk

Mudassar Ali Khan
Lecturer
mudaser@uoh.edu.pk

Misba Sikandar
Lecturer
misbasikandar@uoh.edu.pk

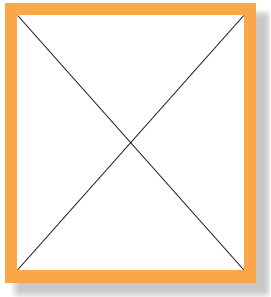
Abid Ali
Lecturer
abidali@uoh.edu.pk

Gullelala Jadoon
Lecturer
gullelala@uoh.edu.pk

Habib Akbar
Lecturer
habibakbar@uoh.edu.pk

Syed Luqman Shah
Lecturer
luqman@uoh.edu.pk

Syed
Shabih ul Hasan Naqvi
Lecturer
shabih@uoh.edu.pk



Waqas Ali
Lecturer (Visiting)
waqasali@uoh.edu.pk

DEPARTMENT OF PUBLIC HEALTH

DEPARTMENT OF PUBLIC HEALTH

Introduction

Health is foremost challenge all over the world particularly for developing countries. In order to cope the challenges of health it is necessary to develop innovative thinking and management skills in health professional.

The Department of Public Health was established at UoH in 2012. Master in Public Health (MPH) Program was offered for health professionals. So far a total three batches has successfully completed their studies and honored with Degree of Master in public health.

This year the university is initiating BS (Hons.) program under the direct supervision of Vice Chancellor, Prof. Dr. Anwar ul Hasan Gilani (S.I). Dr. Gilani having vast experience of over 30 years in health sciences at the Aga Khan University Medical College. He is committed provide patronage to Public Health Program.

BS (Hons.) program is designed to prepare students to address the broad mission of public health, defined as enhancing health in human populations through organized community effort utilizing education, research, and community service. The evaluation and assessment of the BS program with outcome and impact data will ensure relevance to the current and future emerging challenges in the field of public health. Curriculum shall be regularly updated in accordance with HEC guidelines.

Mission

Our mission is to prevent diseases, promote health and protect the well-being of the public through education, research and service.

Goal

To engage in evidence-based applications that advance public health knowledge and community practice.

ACADEMIC PROGRAMS:

Department of Public Health is currently offering admissions in two programs namely BS(Hons.) and MPH.

(i) BS (Hons.) in Public Health

FSc/FA and equivalent with minimum 2nd division

(ii) MPH

Health professional graduate having completed 16 years of study. The following discipline are eligible to take admission in MPH. MBBS, MD, BDS, or equivalent qualification (recognized by PMDC), BSc Nursing (Recognized PNC), BSc. (Prosthetic and Orthotic Sciences), BSc (Paramedics), BSc (Human Nutrition), BSc (Physiotherapy), Pharmacy (Pharm-B, Pharm D), BS or MSc (Microbiology/ Medical Lab technology), Candidates having degree in Anthropology, Sociology, Psychology with background of clinical or natural sciences (in course work or in research)

Scheme of Studies for BS(Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Compulsory Requirement (No Choice)	
	English 1	3
	Pakistan Studies	2
	Mathematics	3
	Life Sciences Biology	3
	Sociology of Health and Disease (list)	3
	Basic Computer Skills	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	English 2	3
	Ethics/Islamic Studies	2
	Basic Statistics	3
	Principles of Psychology	3
	Medical Anthropology	3
	Personal Hygiene	3
Total Credit Hours		**15**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	English 3	3
	Basic Computer Literacy	3
	Population Dynamics	3
	Primary Health Care	3
	Concept of Health and Disease	3
Total Credit Hours		**15**

SEMESTER 4th

Course Code	Course Name	Credit Hours
	English 4 (any other subject may be offered)	3
	Professional Ethics	3
	Basic Epidemiology	3
	Basic Biostatistics	3
	Health Promotion, Advocacy & Social Mobilization	3
Total Credit Hours		**15**

SEMESTER 5th

Course Code	Course Name	Credit Hours
	Community Nutrition	3
	Community Pediatrics	3
	Fundamental Principles of Infectious Disease	3
	Epidemiology of Infectious Diseases	3
	Non Communicable Disease Epidemiology	3
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
	Reproductive Health	3
	Environment& Occupational Health	3
	Health Policy and Management	3
	Health Planning	3
	District Health Management	3
	Health Professional Education	3
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
	Mental Health	3
	Health Marketing	3
	Research Methodology	3
	Elective 1	3
	Elective 2	3
	Research Project	3
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
	Microbiology	3
	Entomology	3
	Parasitology	3
	Elective 3	3
	Elective 4	3
	Research Project	3
Total Credit Hours		**18**

Scheme of Studies for MPH

SEMESTER 1st

Course Code	Course Name	Credit Hours
MPH-511	Epidemiology - Introduction to theory and practice	3 (2+1)
MPH-512	Statistical Methods in Public Health	3 (3+0)
MPH-513	Communicable & non Communicable Disease Control	3 (1+2)
MPH-514	Computer Applications in Public Health	3 (1+2)
MPH-515	Health Education & Promotion	3 (2+1)
MPH-516	Technical Report Writing & Basic Communication Skills	3 (2+1)
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
MPH-521	Applied Epidemiology	3 (1+2)
MPH-522	Health Economics	3 (3+0)
MPH-523	Project Management	3 (2+1)
MPH-524	Occupational health & Environmental Hazards	3 (1+2)
MPH-525	Primary Health Care (BHU visit)	3 (2+1)
MPH-526	Survey Design and Data analysis	3 (1+2)
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
MPH-611	Hospital Management	3 (2+1)
MPH-612	Community Interventions in Reproductive Health	3 (1+2)
MPH-613	Nutrition	3 (3+0)
MPH-614	Research & Ethics	3 (3+0)
MPH-615	Public Health Management & Policy	3 (3+0)
MPH-616	Disaster Management	3 (2+1
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
MPH-621	Health Management & Accounting	3 (3+0)
MPH-622	Graduate Seminar	3 (3+0)
MPH-623	MPH Thesis	6
Total Credit Hours		**18**

FACULTY PROFILE

Prof. Dr. Anwar-ul-Hassan Gilani (S.I.)
(Patron in Chief)
Vice Chancellor

M. Mumtaz Khan (PhD)
(HoD)
Assistant Professor

Dr. Shahzad Ali Khan
Associate Professor
Health Sciences Academy,
Islamabad (Visiting)

Dr. Sher Bahador
MBBS, MPH, MCPS
Assistant Professor
(visiting)

Dr. Naseer Ahmed
Assistant Professor
Aga Khan University
(Visiting)

Prof. Dr.
Abdul Qadir Khan
Associate Dean
UOL, Islamabad Campus

Brig ® Prof. Dr.
Iqbal Ahmad Khan
Head, WMC,
Abbottabad (Visiting)

Faculty of Social & Administrative Sciences

" True science discovers GOD waiting behind every unexplored door"

Pope Pius XII

The University of Haripur

Restoring Hope; Building Community

DEPARTMENT OF MANAGEMENT SCIENCES

DEPARTMENT OF MANAGEMENT SCIENCES

Introduction

In today's competitive and ever-changing environment, demand for the proper management of businesses and organizations has surged. Under such circumstances, Department of Management Sciences aims to equip students with knowledge, skills and attitudes necessary to cope with these existent and future demands. The department is currently offering undergraduate program BBA (Hons.), BS (Accounting and Finance) and MBA. At graduate level, MS (Management Sciences) and PhD (Management Sciences) programs are being offered. Our current and graduated students are working in well reputed organizations across the country. To cater the fear of unemployment of the graduates, the department is working hard to build a bridge between academia and industry by inviting leaders of industry and banking sectors for sharing their experiences in various seminars and conferences.

Mission

We aspire to be a leading business school to provide quality business education and achieve academic, research excellence and industry liaison.

Goal

To build a dynamic regional and international network through our faculty and alumni with academia and the market.

ACADEMIC PROGRAMS:

Department of Management Sciences is currently offering admissions in BBA, BS (Accounting & Finance), MBA, MS and PhD (Management Sciences).

(i) BBA/BS (Accounting & Finance)

FSc/FA or equivalent certificate/diploma with minimum 2nd division or 50% marks for other than annual system.

(ii) MBA

Health professional graduate (With entry requirement of 12 year of Schooling in graduate degree program and complete 16 years of study).The following discipline are eligible to take admission in MPH. MBBS, MD, BDS, or equivalent qualification (recognized by PMDC), BSc Nursing (Recognized PNC), BSc. (Prosthetic and Orthotic Sciences), BSc (Paramedics), BSc (Human Nutrition), BSc (Physiotherapy), Pharmacy (Pharm-B, Pharm D), BS or MSc (Microbiology/ Medical Lab technology), Candidates having degree in Anthropology, Sociology, Psychology with background of clinical or natural sciences (in course work or in research)

Scheme of Studies for BBA

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Freshman English 1	3
	Introduction to Business	3
	Introduction to Computing	3
	Principles of Management	3
	Pakistan Studies	3
	Islamic Studies	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	Freshman English II	3
	Arabic/Chinese etc I	3
	Business Mathematics	3
	Human Psychology	3
	Contemporary World	3
	Microeconomics	3
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Oral Communication	3
	Business Statistics	3
	Macro Economics	3
	Financial Accounting I	3
	Introduction to HRM	3
	Arabic/Chinese etc II	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
	Business Communication	3
	Principles of Marketing	3
	Corporate Social Responsibility	3
	Financial Accounting II	3
	Entrepreneurship	3
	Business Finance	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
	Cost Accounting	3
	Marketing Management	3
	Sociology	3
	Financial Management	3
	Cost Accounting	3
	Business Law	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
	Business Ethics	3
	Organizational Behaviour	3
	Consumer Behaviour	3
	MIS	3
	Specialization I	3
	Specialization II	3
Total Credit Hours		**18**

SEMESTER 7th

Course Code	Course Name	Credit Hours
	Business Research & Report Writing	3
	Operations Management	3
	Pakistan Economy	3
	Specialization III	3
Total Credit Hours		**12**

SEMESTER 8th

Course Code	Course Name	Credit Hours
	Strategic Management	3
	Statistic II	3
	Specialization IV	3
	Project/ Two Elective Courses	6
Total Credit Hours		**15**

Scheme of Studies for BS (Accounting & Finance)

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Business English 1	3
	Introduction to Business	3
	Principles of Accounting	3
	Business Mathematics	3
	Business Management Information Systems	3
	Principles of Micro-Economics	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	Business English 2	3
	Principles of Macro-Economics	3
	Financial Accounting	3
	Introduction to Statistics	3
	Pakistan History	3
	Principles of Management	3
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Statistical Inference	3
	Business Communication	3
	Management Accounting	3
	Business Law	3
	Introduction to Business Finance	3
	Calculus	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
	Financial Institutions and Markets	3
	Islamic Studies	3
	Financial Management	3
	Strategic Management	3
	Accounting Elective-1	3
Total Credit Hours		**15**

SEMESTER 5th

Course Code	Course Name	Credit Hours
	Auditing	3
	Global Business Management	3
	Corporate Finance	3
	Organizational behaviour	3
	Finance Elective-1	3
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
	Taxation	3
	Basic Econometrics 1	3
	Business Research Methods	3
	Finance Elective-2	3
	Accounting Elective-2	3
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
	Basic Econometrics 2	3
	Accounting Elective-3	3
	Accounting Elective - 4	3
	Finance Elective - 3	3
	Finance Elective - 4	3
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
	Accounting Elective-5	3
	Accounting Elective-6	3
	Finance Elective-5	3
	Finance Elective-6	3
	Research Project/Internship	6
Total Credit Hours		**18**

Scheme of Studies for MBA

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Financial Reporting &Analysis	3
	Strategic Management	3
	Operation Management	3
	Elective –I	3
	Elective –II	3
Total Credit Hours		**15**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	Strategic Marketing	3
	Strategic Finance	3
	Leadership & OB	3
	Elective –iii	3
	Elective –iv	3
Total Credit Hours		**15**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Elective-V (Optional in place of research/field project)	3
	Elective-VI (Optional in place of research/field project)	3
	OR	
	Research/Field Project (Optional)	6
Total Credit Hours		**6**

Scheme of Studies for MS

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Applied Research Methods	03
	Philosophy and Thoughts in Management	03
	Elective 1	03
	Elective 2	03
Total Credit Hours		**12**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	Quality Academic Writing	3
	Econometrics and Statistical Techniques	3
	Elective – 3	3
	Elective – 4	3
Total Credit Hours		**12**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Dissertation	06
Total Credit Hours		**6**

Scheme of Studies for PhD

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Applied Research Methods	03
	Elective I	03
	Elective II	03
Total Credit Hours		**9**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	Econometrics and Statistical Techniques	3
	Elective III	3
	Elective IV	3
Total Credit Hours		**19**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Dissertation	20
Total Credit Hours		**20**

FACULTY PROFILE

Sheraz Ahmed (HoD)
Assistant Professor

Dr. M. Tariq Khan
Assistant Professor

Dr. Shiraz Khan
Assistant Professor

Dr. Tariq Iqbal Khan
Assistant Professor

Dr. Shoaib Khan
Assistant Professor

Dr. Daud Ali
Lecturer

Qazi Shujaat Mahmood
Assistant Professor

Syed Tauseef Ahmed
Assistant Professor

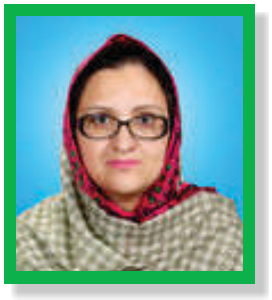
M. Kamran Khan
Assistant Professor

Mehfooz Ali
Assistant Professor

Sarfaraz Tanveer
Assistant Professor

Zia ur Rehman
Assistant Professor

Shahzad Khan
Assistant Professor



Ghazala Shabnam
Assistant Professor

Rafique Ahmed Khuhro
Assistant Professor

Muhammad Tufail
Lecturer

Ali Raza
Lecturer

Attiya Ashraf
Lecturer

Syed Muhammad Abdul Qadir Shah
Lecturer

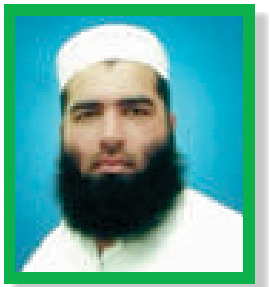
Asad Khan
Lecturer

Atif Atique Siddiqui
Lecturer

Raja Ahmed Jamil
Lecturer

Humaira Fayyaz
Lecturer

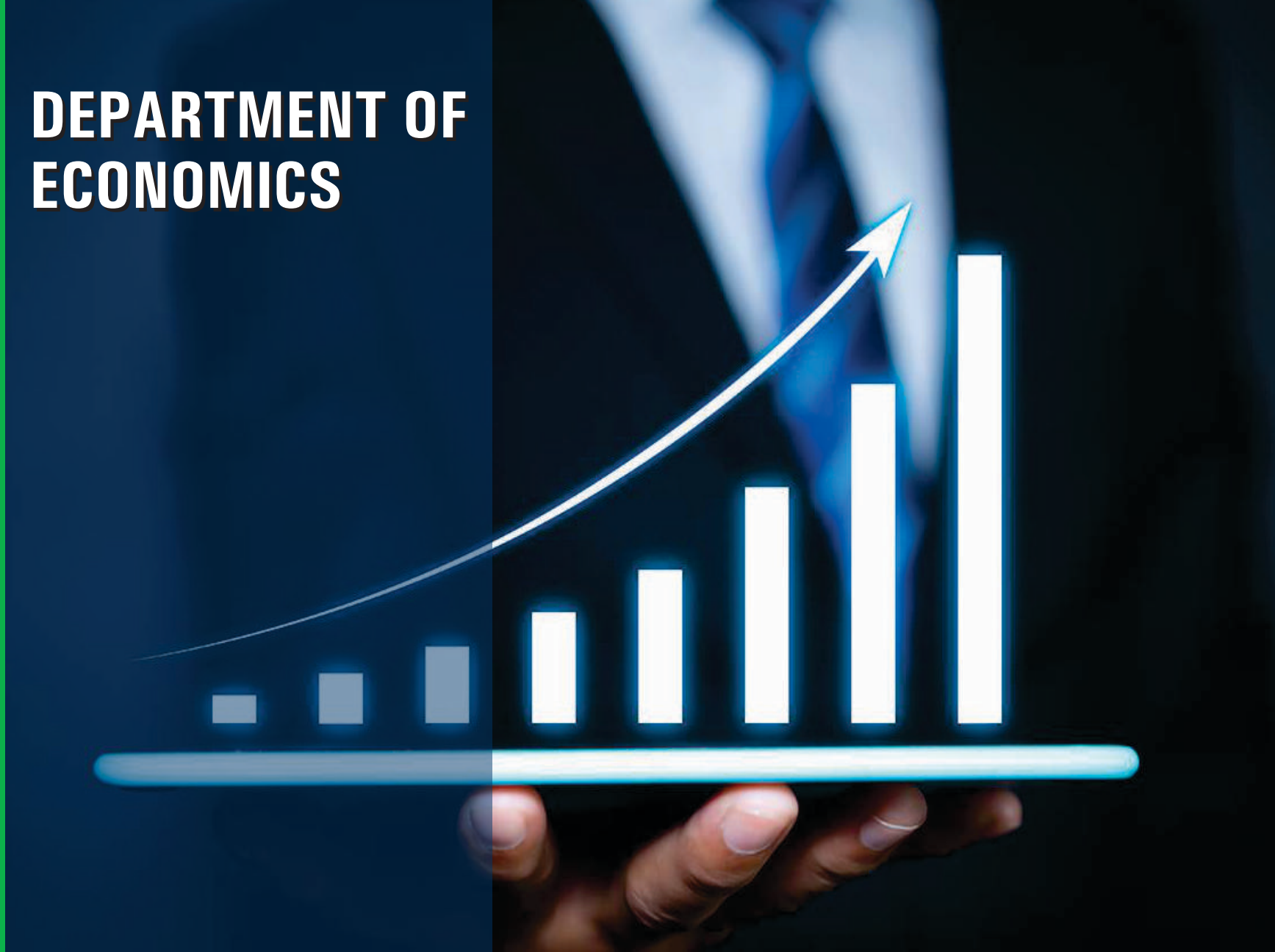
Attique Khattak
Lecturer



Imran Qadir
Lecturer

Saira Ishfaq
Lecturer

DEPARTMENT OF ECONOMICS



DEPARTMENT OF ECONOMICS

Introduction

The Department of Economics, UOH was established in 2012. Initially, it offered M.Sc degree (two years) program in Fall 2012, and then introduced BS (4 years) programme in Fall 2013. BS(Economics) covers the whole area of economic issues and enables to build a particularly strong quantitative background, which is becoming more and increasingly more important for a successful career in the fields of finance, government institutions, NGOs, research and academia.

Mission

To broaden the opportunity set of Pakistani youth through affordable high-quality education and training in the field of Economics. The Department of Economics strives after achieving a leadership position amongst the public sector providers of higher education by broadening and deepening the access to education in Economics without compromising on quality standards of academic excellence.

Goals

In the Department of economics, we work to maintain emphasis on quality teaching in economic theory and quantitative methods of economic analysis & research in line with global standards of teaching & research in the field of Economics. The Department focuses on providing quality education at the BS and MSc levels, and is geared towards developing professional expertise in Economics.

ACADEMIC PROGRAMS:

Department of Management Sciences is currently offering admissions in BBA, BS (Accounting & Finance), MBA, MS and PhD (Management Sciences).

(i) BS (Hons.)
F.A/F.Sc/D.Com (2nd Division 45% Marks).

(ii) MSc
B.A/B.SC, B.COM (2nd division 45% marks)

Scheme of Studies for BS (4 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Functional English	3
	Principles of Microeconomics	3
	Islamic Studies / Ethics	2
	Basic Mathematics	3
	Diversification - 1	3
	Diversification - 2	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	English Comprehension	3
	Pakistan Studies	2
	Principles of Macroeconomics	3
	Statistics - I	3
	Diversification - 3	3
	Diversification - 4	3
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Writing Skills	3
	Intermediate Microeconomics	3
	Introduction to Computer	3
	Intermediate Mathematics*	3
	Diversification - 5	3
	Diversification - 6	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
	Communication Skills	3
	Intermediate Macroeconomics	3
	Statistics - II	3
	Issues in World Economy	3
	Diversification - 7	3
	Diversification - 8	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
	Microeconomic Analysis	3
	Monetary Economics	3
	Public Finance	3
	Mathematical Economics	3
	Econometrics	3
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
	Macroeconomic Analysis	3
	International Economics	3
	Development Economics	3
	Financial Economics	3
	Research Methodology	3
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
	Time Series and Panel Data Econometrics**	3
	Dynamic Optimization**	3
	Islamic Economics	3
	Optional - 1***	3
	Optional - 2	3
Total Credit Hours		**15**

SEMESTER 8th

Course Code	Course Name	Credit Hours
	General Equilibrium & Welfare Economics **	3
	Economic Growth**	3
	Issues in Pakistan Economy	3
	Optional - 3***	3
	Optional - 4	3
Total Credit Hours		**15**

Scheme of Studies for MSc

SEMESTER 1st

Course Code	Course Name	Credit Hours
ECO - 351	Microeconomics I	3
ECO - 352	Macroeconomics I	3
ECO - 353	Mathematics for Economists I	3
ECO - 354	Statistics I	3
ECO - 355	Economy of Pakistan	3
ECO - 356	Introduction to Computer	3
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ECO - 361	Microeconomics II	3
ECO -362	Macroeconomics II	3
ECO -363	Mathematics for Economists II	3
ECO -364	Statistics II	3
ECO -365	Public Finance	3
ECO -366	Monetary Economics	3
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
ECO - 471	Econometrics I	3
ECO - 472	Research Methodology	3
ECO - 473	International Economics	3
ECO - 474	Development Economics	3
	Optional -I	3
Total Credit Hours		**15**

SEMESTER 4th

Course Code	Course Name	Credit Hours
ECO 481	Econometrics II	3
ECO - 482	Research Project /Viva	3
	Optional -II	3
	Optional -III	3
	Optional -IV	3
Total Credit Hours		**18**

FACULTY PROFILE

Dr. M. Azhar Khan
Head of Department
Assistant Professor
azharkhan@uoh.edu.pk

Ms. Rukhsana Naheed
Assistant Professor
rukhsana.naheed1@uoh.edu.pk

Ms. Anbreen Bibi
Assistant Professor
anbreen@uoh.edu.pk

Ejaz Ahmad Khattak
Assistant Professor
ahmad@uoh.edu.pk

Mr. Faisal Shah
Lecturer
faisal.shah@uoh.edu.pk

Bakhtawar Riaz
Lecturer (Visiting)

Hibba Saeed
Lecturer (Visiting)

Hamina Almas
Lecturer (Visiting)

DEPARTMENT OF PSYCHOLOGY

DEPARTMENT OF PSYCHOLOGY

Introduction

The department of psychology was Established in the year 2010 at Haripur campus of Hazara University and assumed its status as the campus upgraded to the University of Haripur. Initially the department started M.Sc. Psychology and later on started Post Magisterial Diploma in Clinical Psychology in 2012 and BS Psychology 4-years degree program in 2014. The team of professionals strives to develop and share information of common interest to people around, to ensure better psychological health. The department has well-planned semester schedule for curricular and co-curricular activities, field trips, and hospital/clinics visits to enhance practical learning of psychological knowledge.

Mission

The Department of Psychology aims to promote the status of psychology at regional and national level through academic teaching and research; intra and inter-disciplinary collaboration, and community service.

Goals

To produce an academic and professional excellence via an effective learning environment for students so that they can discover, critically think, and appreciate the complexity of human behavior and mental processes.

To develop psychological knowledge and skills at basic level during enrolment at the department.

ACADEMIC PROGRAMS:

Department of Psychology is currently offering admissions in BS (4 Years), MSc, and PMDCP (Post Magisterial Diploma in Clinical Psychology)

(i) BS (Hons.)

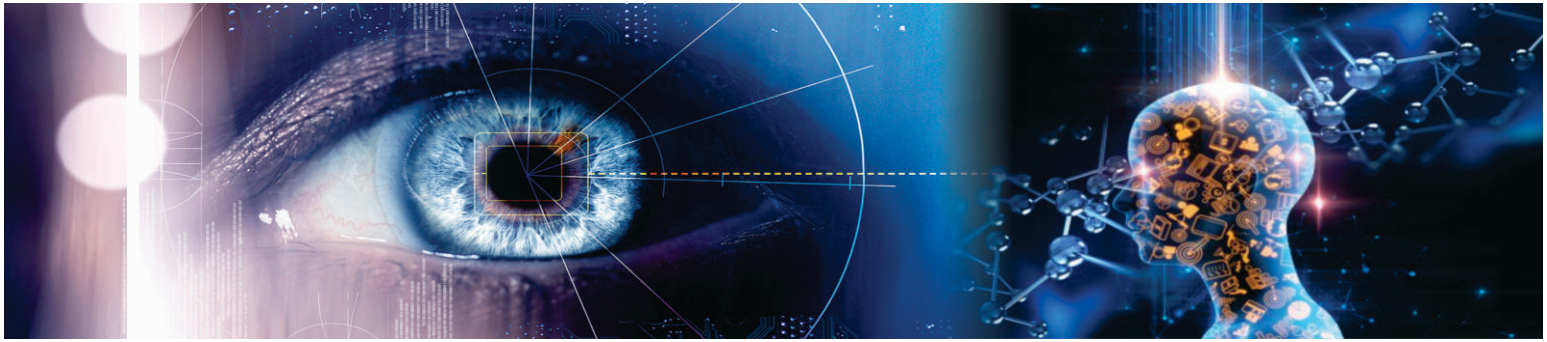
FA/FSc or Equivalent along with at least 45 % marks

(ii) MSc

B.A/BSc along with at least 45% marks (Preferably Psychology, Statistics, Biology as a Subject)

(ili) PMDCP (Post Magisterial Diploma in Clinical Psychology)

MSc Psychology , BS Psychology along with 2.5 CGPA or 60 % marks



Scheme of Studies for BS (4 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
PSY-111	Introduction to Psychology	3
PSY-112	English-I (Compulsory)	3
ENG-113	Statistics	3
STA-114	History of Psychology	3
ISL-115	Islamic Studies (Compulsory)	2
COM-116	Computer	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PSY-121	Introduction to Psychology-II	3
PSY-122	Schools of Psychology	3
PSY-123	Practicum-I	2
PSY-124	Statistics In Psychology I (Applied Statistics-I)	3
ENG-125	English –II	3
MAT-126	Mathematics	3
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
PSY-211	Practicum-II	2
PSY-212	Community Psychology	3
PSY-213	Ethics in Psychology	3
ENG-214	Communication Skills (English III)	3
PAK-215	Pakistan Studies (Compulsory)	2
PSY-216	Statistics In Psychology I (Applied Statistics-II)	3
Total Credit Hours		**16**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PSY-221	Positive Psychology	3
PSY-222	Experimental Psychology-I	3
PSY-223	Social Psychology –I	3
PSY-224	Personality Theories-I	3
PSY-225	Educational Psychology	3
PSY-226	Introduction to Sociology	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
PSY-311	Psychological Testing-I	3
PSY-312	Experimental Psychology-II	3
PSY-313	Personality Theories-II	3
PSY-314	Research Methodology-I	3
PSY-315	Mental Health & Psychopathology-I	3
PSY-316	Social Psychology-II	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
PSY-321	Psychological Testing-II	3
PSY-322	Research Methodology-II	3
PSY-323	Mental Health & Psychopathology-II	3
PSY-324	Neurological Bases of Behavior	3
PSY-325	Counselling Psychology	3
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
PSY-411	Human Resource Management	3
PSY-412	Cognitive Psychology	3
PSY-413	Cross Cultural Psychology	3
PSY-414	Forensic Psychology	3
PSY-415	Clinical Psychology-I	3
PSY-416	Developmental Psychology	3
PSY-417	*Research Report/Thesis	4
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
PSY-421	Organizational Psychology	3
PSY-422	Health Psychology	3
PSY-423	Muslim Psychology	3
PSY-424	Clinical Psychology-II	3
PSY-425	Behavioral Analysis & Management	3
PSY-426	Internship Report	3
PSY-427	Research Report/Thesis	*4
Total Credit Hours		**18**

Scheme of Studies for MSc

SEMESTER 1st

Course Code	Course Name	Credit Hours
PSY-511	Research Methodology	3
COM- 512	Computer Applications	3
PSY-513	Statistics in Psychology	3
PSY- 514	Cognitive & Effective Process (CAPS)	3
PSY- 515	History & System of Psychology	3
Total Credit Hours		**15**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PSY-521	Psychological Testing -I	3
COM- 522	Psychopathology-I	3
PSY- 523	Social Psychology	3
PSY- 524	Developmental Psychology	3
PSY- 525	Organizational Behavior	3
PSY- 526	Theories of Personality	3
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
PSY- 611	Psychological Testing-II	3
PSY- 612	Psychopathology-II	3
PSY- 613	Clinical Psychology-I	3
PSY- 614	Counselling	3
PSY- 615	Behavior Analysis & Management	3
PSY- 616	Criminal Psychology	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
PSY- 621	Clinical psychology-II	3
PSY- 622	Community Psychology	3
PSY- 623	Behavioral Neurosciences (BNS)	3
PSY- 624	Internship	3
PSY- 625	Thesis	6
Total Credit Hours		**18**

Scheme of Studies for PMDCP Diploma Psychology

SEMESTER 1st

Course Code	Course Name	Credit Hours
PMD-111	Psychotherapy	3
PMD-112	Psycho Diagnosis	3
PMD-113	Psychological Testing	3
PMD-114	Developmental Psychopathology	3
PMD-115	Internship (Diagnosis Cases)	6
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
PMD-121	Neurophysiology	3
PMD-122	Psychopharmacology	3
PMD-123	Seminar	3
PMD-124	Case Conference	3
PMD-125	Internship & Report Writing (Therapeutic Sessions)	6
Total Credit Hours		**18**

FACULTY PROFILE

Dr. Abdul Muhaimin
Head of Department
Assistant Professor

Dr. Najia Zulfiqar
Assistant Professor

Mr Sajid Mahmood Alvi
Assistant professor
sajidmalvi@yahoo.com
sajidmehmood@uoh.edu.pk

Andleeb Akhtar
Lecturer
andleeb@uoh.edu.pk

Sameena Humyaun Khan
Lecturer

DEPARTMENT OF EDUCATION

DEPARTMENT OF EDUCATION

Introduction

The Department of Education was established in 2008. Initially two programs of B.Ed. and M.Ed. were launched. The other programs B.Ed.(Hons) Elementary, and MPhil were commenced later on to meet the needs of rapidly changing society at national and international levels. Main focus is to train our students at the department according to the requirements of the 21st century where dynamic changes occur at a fast tempo, age of uncertainty in the context of human life and job location. The prospective teachers are equipped with academic and professional knowledge where they could inculcate the qualities like development of balanced personality and good characteristics in the students.

Mission

The Department of Education strives to equip the prospective teachers with the best possible ideals, skills and knowledge enabling them to serve better at local, national and international levels by restoring hope to build their respective communities in general. It is to enable them to analyze and interpret the educational phenomena and promote educational programs.

Goals

- To develop and produce enlightened leaders in education who can analyze and interpret the educational phenomena and redesign, guide and promote educational program and process with a view to revolutionize teacher education in Pakistan.
- To prepare competent and effective teachers, educational administrators, teacher educators, guidance counselors and researchers in specific areas of education.
- To enable students to develop awareness about their learning and personal problems.
- To help the students to develop positive attitude towards continued professional growth.
- To shape the personality and character of youth in accordance with the demands and requirements of national ideology.

ACADEMIC PROGRAMS:

Department of Education is currently offering admissions in BEd. (Hons.) Elementary, BEd. Secondary (1.5), MPhil and PhD.

(i) BEd. (Hons.) Elementary

FA/FSc/A-Level or Equivalent with at least 2nd Division.

(ii) BEd. Secondary (1.5)

MA/MSc or equivalent with minimum 2nd Division. Maximum age 30 years.

(iii) MPhil

MA Education, MEd, BEd. (1.5), BEd. (4years), BEd. (2.5) with GAT general (50%)

(iv) PhD

MPhil/MS (Education) with GAT subject (60%).

Scheme of Studies for BEd (Hons.) Elementary (4 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ED-101	Functional English-I (Compulsory)	3
ED-102	Islamic Studies/ Ethics (Compulsory)	2
ED-103	Child Development (Foundation)	3
ED-104	Urdu/ Regional Language (Content)	3
ED-105	General Science (Content)	3
ED-106	General Methods of Teaching (Foundation)	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ED-107	English-II (Communication Skills), (Compulsory)	3
ED-108	Computer Literacy (Compulsory)	3
ED-109	Classroom Management (Foundation)	3
ED-110	General Mathematics (Compulsory)	3
ED-111	Pakistan Studies (Compulsory)	2
ED-112	Method of Teaching Islamic Studies (Professional)	3
Total Credit Hours		**17**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
ED-113	Teaching Literacy Skills (Professional)	3
ED-114	Art, Crafts & Calligraphy (Content)	3
ED-115	Teaching of Urdu/ Regional Language (Professional)	3
ED-116	Teaching of G. Science (Professional)	3
ED-117	ICT in Education	2
ED-118	Teaching Practice (Short Term)	3
Total Credit Hours		**17**

SEMESTER 4th

Course Code	Course Name	Credit Hours
ED-113	Classroom Assessment (Foundation)	3
ED-120	Teaching of English (Professional)	3
ED-121	Teaching of Mathematics (Professional)	3
ED-122	School, Community & Teacher (Foundation)	3
ED-123	Teaching of Social Studies (Professional)	3
ED-124	Teaching Practice	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
ED-125	English-III (Technical Writing & Presentation Skills) (Compulsory)	3
ED-126	Foundation of Education (Foundation)	3
	Content Course 1 (From Selected Discipline 1)	3
	Content Course 1 (From Selected Discipline II)	3
ED-127	Curriculum Development (Foundation)	3
ED-128	Educational Psychology (Foundation)	3
Total Credit Hours		**18**

SEMESTER 6th

Course Code	Course Name	Credit Hours
ED-129	Contemporary Issues & Trends in Education (Professional)	3
	Content Course II (From Selected Discipline I)	3
	Content Course II (From Selected Discipline II)	3
ED-130	Comparative Education (Professional)	3
ED-131	Introduction to Guidance & Counseling (Professional)	3
Total Credit Hours		**15**

SEMESTER 7th

Course Code	Course Name	Credit Hours
	Content Course III (From Selected Discipline I)	3
	Content Course III (From Selected Discipline II)	3
ED-132	Pedagogy-I (Method of Teaching Related to Specialization-I)	3
ED-133	Pedagogy-II (Method of Teaching Related to Specialization-II)	3
ED-134	Research Method in Education (Professional)	3
ED-135	Teaching Practice (Short Term)	3
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
ED-136	School Management (Professional)	3
ED-137	Test Development and Evaluation (Professional)	3
ED-138	Teaching Practice (Long Term)	6
ED-139	Research Project (Professional)	3
Total Credit Hours		**15**

Scheme of Studies for BEd Secondary (2.5 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
Ed-206	Curriculum Development (Foundation)	03
Ed-207	General Methods of Teaching (Foundation)	03
Ed-214	Foundation of Education (Foundation)	03
Ed-217	Child Development (Foundation)	03
Ed-218	Functional English (Compulsory)	03
Ed-219	Information and Communication Technology (Compulsory)	03
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ED-201	Comparative Education (Foundation)	03
ED-211	School, Community and Teacher (Professional)	
ED-212	Technical Writing and Presentation Skills (Compulsory)	03
ED-215	Class Assessment (Professional)	03
	Content I (selected Discipline- I)	03
	Content II (selected Discipline- II)	03
Total Credit Hours		**15**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
ED-203	Research Methods in Education (Professional)	3
ED-204	Human Development and Learning (Foundation)	3
ED-220	Contemporary Trends and Issues in Education (Professional)	3
	Content II (selected Discipline-I)	3
	Content II (selected Discipline-II)	3
	Elective Course-1	3
Total Credit Hours		**18**

SEMESTER 4th

Course Code	Course Name	Credit Hours
ED-205	Critical Thinking and Reflective Practices (Professional)	3
ED-208	Test Development (Professional)	3
ED-209	Teaching Practice (Short Term)	3
ED-221	Guidance and Counseling (Professional)	3
	Advanced Pedagogy I (Specialized discipline) (Professional)	3
	Advanced Pedagogy II (Specialized discipline) (Professional)	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
ED-210	Leadership and Management (Professional)	3
ED-213	Teaching Practice (Long Term)	6
ED-216	Research Project (Professional)	3
Ed-222	School Management (Foundation)	3
	Elective Course II (in supportive area)	6
Total Credit Hours	**18**	**15**

Scheme of Studies for BEd Secondary (1.5 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ED-201	Comparative Education (Foundation)	03
ED-202	Educational Assessment and Evaluation (Professional)	03
ED-203	Research Methods in Education (Professional)	03
ED-204	Human Development and Learning (Foundation)	03
ED-205	Critical Thinking and Reflective Practices (Professional)	03
ED-206	Curriculum Development (Foundation)	03
Total Credit Hours		**18**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ED-209	Teaching Practice (Short Term)	03
ED-210	Leadership and Management (Professional)	03
ED-211	School, Community and Teacher (Foundation)	03
ED-212	Technical Writing & Presentation Skills (Compulsory)	03
	Elective Course I (in supportive area)	03
	Advanced Pedagogy (Specialized Discipline) (Professional)	03
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
Ed-213	Teaching Practice ((Long Term))	03
Ed-214	Foundation of Education (Foundation)	03
Ed-216	Research Project (Professional)	06
Ed-219	Information and Communication Technology (Compulsory)	03
Ed-222	School Management (Professional)	03
Total Credit Hours		**18**

Scheme of Studies for M.Ed (1 Year)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ED-301	Curriculum Development and Implementation	03
ED-302	Measurement and Evaluation	03
ED-303	Philosophy of Education	03
ED-304	Education Research	03
	Optional Course -I	03
Total Credit Hours		**15**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ED-305	Advanced Educational Psychology	03
ED-306	Educational Planning & Supervision	03
ED-307	Education in Pakistan, Problems, Issue and Trends	03
	Optional Course -II	03
ED-308	Research Thesis	03
Total Credit Hours		**15**

Scheme of Studies for MPhil (2 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ED-401	Quantitative Research Methods in Education (Compulsory)	03
ED-402	Qualitative Research Methods in Education (Compulsory)	03
	Field of Specialization (Course-I)	03
	Field of Specialization (Course-II)	03
Total Credit Hours		**12**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ED-403	Professional Development of Teachers (Compulsory)	03
ED-404	Educational Change and Development (Compulsory)	03
ED-405	Foundations of Education (Compulsory)	03
	Field of Specialization (Course-I)	03
Total Credit Hours		**12**

Scheme of Studies for PhD (3 Years)

SEMESTER 1st

Course Code	Course Name	Credit Hours
ED-501	Education in International Perspective	03
ED-502	Advanced Topics in Qualitative Research	03
ED-503	Advanced Topics in Quantitative Research	03
Total Credit Hours		**09**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
ED-504	Foundations of Teaching Learning	03
ED-505	Research Critique	02
ED-506	Seminar on Research Design	02
ED-507	Qualitative and Quantitative Data Analysis	02
Total Credit Hours		**09**

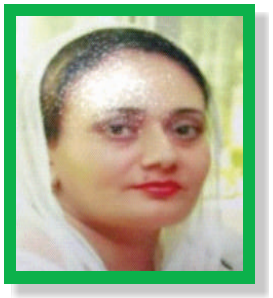
FACULTY PROFILE

Dr. Asaf Niwaz Satti
Head of Department
Assistant Professor

Dr. M. Saeed Khan
Assistant Professor

Dr. Umbreen Ishfaq
Assistant Professor

Dr. Saddaf Ayub
Assistant Professor



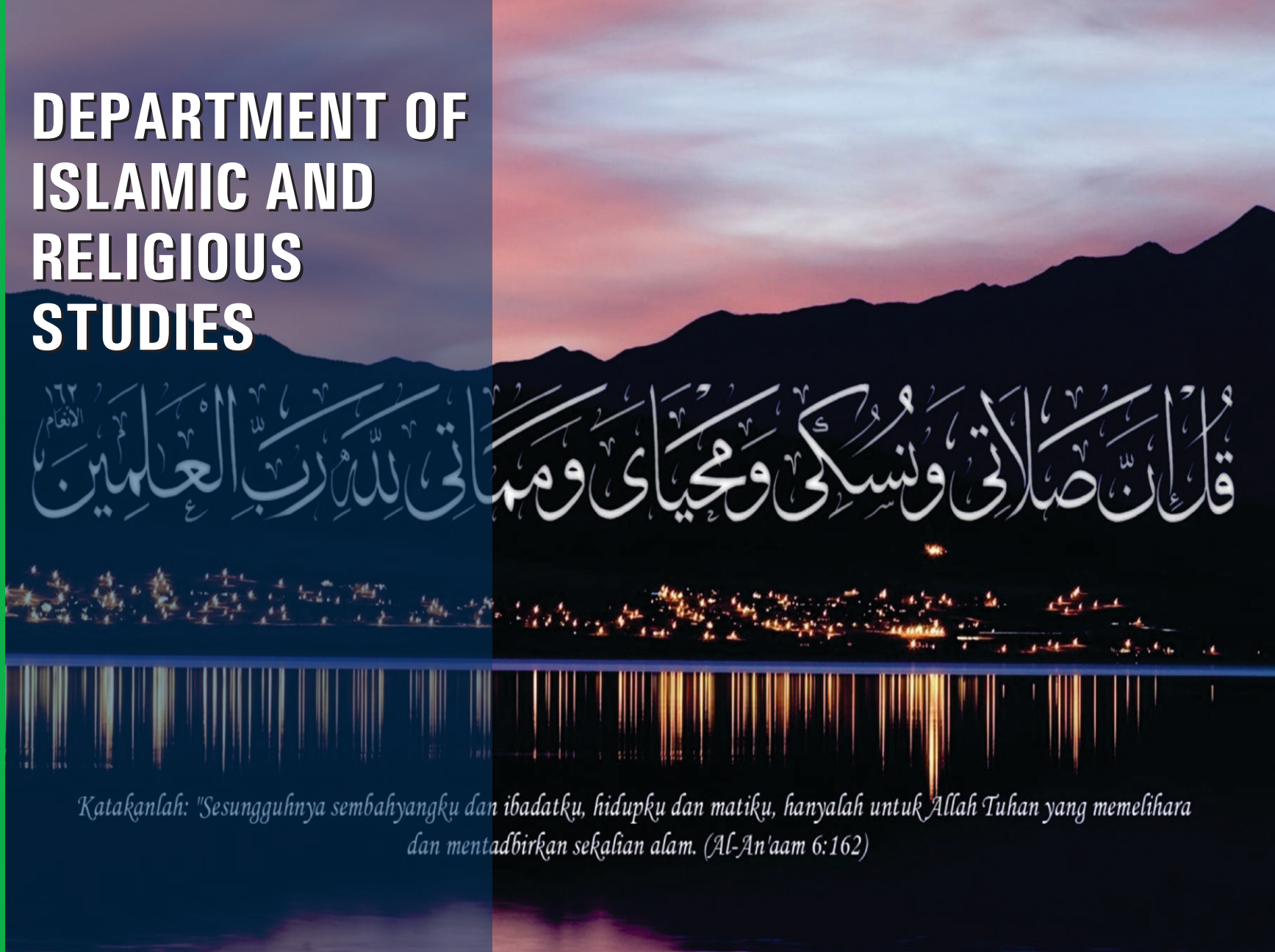
Dr. Tehseen Tahir
Assistant Professor

Dr. Syed Afzal shah
Assistant Professor

Dr. Kifayat Khan
Lecturer

Ms. Haleema Bano
Lecturer

DEPARTMENT OF ISLAMIC AND RELIGIOUS STUDIES



DEPARTMENT OF ISLAMIC AND RELIGIOUS STUDIES

Introduction

The significance of Islamic education has increased to great extent in the modern day world. The matters related to religious and spiritual issues have become complex and answers to these and many other such issues can only be sought in Islamic education. With this vital goal and sacred objective the department of Islamic and Religious Studies was established in the year 2010. The slogan of the department is 'Islam for all'. The department intends to provide opportunity to study the basic principles of different religions in general and Islam in particular. The courses offered in the department at undergraduate and graduate level are interdisciplinary.

Mission

The mission of the Department of Islamic and Religious Studies is to develop, support and promote a comprehensive Islamic way of life as defined by the Holy Quran and by the Sunnah of the Prophet Muhammad (SAW).

Goal

To address modern day issues according to the basic principles of Islam. The Department of Islamic and Religious Studies is focusing on the student behavior towards good and useful individual of a society.

ACADEMIC PROGRAMS:

At the moment the department is running BS (Hons) 4 year, MA, M. Phil and P.hD classes.

(i) BS (Hons.)

FA/F.Sc, Shadah Al Khaasa (from Wifaq ul Madaris) with al least 2nd Division.

(ii) MA

BA/B.SC at least 2nd Division.

(iii) MPhil

Minimum 2nd division in MA Islamic & Religious Studies or equivalent degree in the relevant field.

Candidates shall have qualified GAT/GRE or equivalent test as determined by the University.

(iv) PhD

MPhil/Master Degree (after 18 years of education) in the relevant field with CGPA 3.00 under semester system or 1st division under annual system.

Have qualified Graduate Assessment Test (GAT) or GRE or an equivalent test as determined by the University.

Scheme of Studies BS (Hons.)

SEMESTER 1st

Course Code	Course Name	Credit Hours
	Intermediate English I	NC
	English I	3
	Pakistan Studies	2
	Math/Stat-I	3
	General Course –I	3
	General Course –II	3
	Introduction of Topics of Holy Qur' n.(F-1)	3
Total Credit Hours		**17**

SEMESTER 2nd

Course Code	Course Name	Credit Hours
	Intermediate English II	NC
	English-II	3
	Islamic Studies/Ethics (Compulsory)	3
	Math/Stat – II/University Optional	3
	General Course – III	3
	General Course –IV	3
	Arabic Language – I (F-2)	3
Total Credit Hours		**18**

SEMESTER 3rd

Course Code	Course Name	Credit Hours
	Intermediate Pak Study	NC
	English-III	3
	Introduction to Computer	3
	General-V	3
	General-VI	3
	'Ul m-al-Qur' n (F-3)	3
Total Credit Hours		**15**

SEMESTER 4th

Course Code	Course Name	Credit Hours
	English-IV/University Optional	3
	General-VII	3
	General – VIII	3
	History & Compilation of ad th (F-4)	3
	Arabic Languages-II (F-5)	3
	History of Fiqh (F-10)	3
Total Credit Hours		**18**

SEMESTER 5th

Course Code	Course Name	Credit Hours
	Study of S rah of Holy Prophet (PBUH) (F-7)	3
	History of Tafs r and its Principles (F-8)	3
	Textual Study of al-Qur' n-I (M-1)	3
	Textual Study of ad th-1 (M-2)	3
	Study of Islamic Fiqh-I (F-6)	3
Total Credit Hours		**15**

SEMESTER 6th

Course Code	Course Name	Credit Hours
	'Ul m -al- ad th (F-9)	3
	Textual Study of Muslim Family Laws (M-3)	3
	Textual Study of al-Qur' n – II (M-2)	3
	Eithics of Disagreement in Islam (M-6)	3
	Comparative Study of World Religions (M-7)	3
	Textual Study of Fiqh al Akbar (M-14)	2
Total Credit Hours		**17**

SEMESTER 7th

Course Code	Course Name	Credit Hours
	Al- Dawah wal Irsh□d (M-8)	3
	U□□l al-Fiqh (F-10)	3
	Methodology of Research in Islamic Studies (E-1)	3
	History of Islamic Culture and Civilization (M-10)	3
	Study of Islamic Fiqh I (فقه الماليات) (E-2)	3
	Study of Islamic Fiqh II (فقه الجنايات) (E-3)	3
Total Credit Hours		**18**

SEMESTER 8th

Course Code	Course Name	Credit Hours
	Islamic Economics (M-11)	3
	Islamic Morals (E-4)	3
	Philosophy and 'ilm al-Kal m (E-5)	3
	Thesis/Research Project	6
Total Credit Hours		**15**

Scheme of Studies for MPhil

Course Code	Course Name	Credit Hours
IRS 511	Al-Qur' n (Translation of First Seven Paras/Commentary)	
IRS 512	Had th and Principles of ad th	
IRS 513	Al-Fiqh al-Isl m (Islamic Jurisprudence)	
IRS 514	S rat al-Nabi (allall hu 'alayhi wa sallam), S rat of the Four Rightly Guided Caliphs and Fiqh al-S rah	
IRS 515	Arabic Language and Grammar	
IRS 521	Al-Qur' n : Translation of Eight Paras (From s rah al-A'r f to s rah al-Kahf/ Principles of Tafs r)	
IRS 522	Had th and Principles of ad th	
IRS 523	Al-Fiqh al-Isl m (Islamic Jurisprudence)	
IRS 524	S rat al-Nabi (allall hu 'alayhi wa sallam), S rat of the Four Rightly Guided Caliphs and Fiqh al-S rah	
IRS 525	Arabic Language and Grammar	
IRS 631	Al-Qur' n (Translation of the 2nd Half and Tafs r of S rah al-N r and S rah al-A z b)	

Course Code	Course Name	Credit Hours
IRS 632	U l al-Fiqh (Principles of Islamic Jurisprudence)	
IRS 633	Comparative Study of Judaism, Christianity and Islam	
IRS 634	al-Kal m &Philosophy (or) Contemporary Muslim World: Resources and Challenges	
IRS 635	Islamic Inheritance Law	
IRS 636	Research Methods in Islamic Studies	
IRS 641	Al-Qur' n (Translation of the 2nd Half and Tafs r of S rah al-N r and S rah al-A z b)	
IRS 642	U l al-Fiqh (Principles of Islamic Jurisprudence)	
IRS 643	Comparative Study of Judaism, Christianity and Islam	
IRS 644	al-Kal m & Philosophy (or) Contemporary Muslim World: Resources and Challenges	
IRS 645	Economic System of Islam: A Comparison with Modern Economic Thought	
	Write Up of Research Thesis	

FACULTY PROFILE

Dr. Abdul Muhaimin
Head of Department
Assistant Professor

Dr. Attaullah
Assistant Professor

Dr. Junaid Akbar
Assistant Professor

Dr. Muhammad Ikramullah
Assistant Professor

STUDENT FINANCIAL AID AND SCHOLARSHIPS

STUDENT FINANCIAL AID AND SCHOLARSHIPS

Introduction

Driven by the University motto "Restoring Hope; Building Community", the office of Student Financial Aid aims to strengthen our society by promoting education, learning, and research. This is possible to achieve only, if we take along meritorious students irrespective of their social and financial constraints. The level of support through scholarships and financial assistance programs is unparalleled compared to Universities of the province established during 2013.

University of Haripur has generous scholarship and financial aid program for lower-income households to ensure that the financial constraints should not be a barrier for the students with academic ability. The university also offers merit scholarships for the new intake and ongoing students both on the basis of academic achievements to ensure that the talented students enter our gates and the efforts of the students should be acknowledged to maintain motivation.

Mission

We provide financial services to assist students in realizing their dream of graduating on time from the University of Haripur.

Goal

We will use all the resources at our disposal to ensure that finances do not prevent qualified students from earning university degrees.

Types of Scholarships and Financial Aid

Following Merit and Needs Based Scholarships are being offered at the campus:

i. Institutional Scholarship Program (from University Own Sources)
ii. Donor Agencies Funded Scholarship Program

Institutional Scholarship Program

Following scholarships being funded from university's own resources are offered to students.

- UoH Tuition Fee Concession for Orphans
- UoH Tuition Fee Concession for Physically Handicapped
- UoH Tuition Fee Concession Under Sibling Rebate Scheme
- UoH Merit-cum-Need based Scholarships
- UoH Merit Based Scholarships
- UoH Merit Scholarship for Newly Enrolled Students
- MBA Merit Based Scholarships
- MBA Need-cum-Merit Based Scholarships

Donor Agencies Funded Scholarship Program

Following Donor Agencies Funded Scholarships are being offered to students at UoH.

- French Need Based Scholarships
- German Need Based Scholarships
- Higher Education Commission (HEC) Need Based Scholarships
- Scottish Government Scholarships
- MORA Scholarships
- Frontier Education Foundation (FEF) Merit-cum-Need Based Scholarships
- Pakistan Bait-ul- Ma-al Scholarships
- The Punjab Educational Endowment Fund (PEEF) Scholarships
- National Bank Loan Scheme (Interest free Loan)
- Ihsan Trust Qarz-e-Hasna (Interest Free Loan)
- Senator Muhammad Talha Mahmood Foundation Scholarships (SMTMFS)
- SHFINT Merit-cum-Need Based Scholarships
- Hashoo Foundation Scholarships

Administration of Financial Aid

Aybak Khan
Assistant Director
MS HR Management

QUALITY ENHANCEMENT CELL

QUALITY ENHANCEMENT CELL

Introduction

Quality Enhancement Cell at University of Haripur has been established on December 04, 2012. The prime objective of the cell is to practice evaluative measures to achieve excellence in performance in all areas of quality education. Quality Enhancement Cell has developed and implemented Internal Quality Assurance (IQA) process specified by Higher education Commission. It is comprised of Self Assessment reports prepared by various departments of university. Other exercises like teachers evaluation along with the Student course evaluation has been carried out to meet Quality practices within the institution. External Quality Assurance (EQA) has also been successfully carried out like initiation of accreditation process of various programs along with the implementation of QA practices in affiliated colleges. These practices help institution to realize its mission and to achieve its goal.

Mission

"A Model Quality Assurance Setup" at the university with standardized procedures and practices in higher education. Developing localized benchmark standards for quality assurance in all the educational provisions of the university and enhancing the same to the level where they may be compared with the international practices in higher education.

Major Functions of QEC

- QEC is responsible for promoting public confidence that the quality and standards of the award of degrees are enhanced and safeguarded.
- The basic purpose of QEC is to maintain and further improve the quality of academic and research standards including control of plagiarism.
- QEC is responsible to develop procedures, subject to the approval of Academic Council, for the following:-
  - a) Approval of new programs
  - b) Annual monitoring and evaluation including program monitoring, faculty monitoring, and student's perception.
  - c) Departmental review
  - e) Student feedback
  - f) Employer feedback
  - g) Quality assurance of Master's, M.Phil. and Ph.D. degree Programs
  - h) Subject review
  - i) Institutional assessment
  - j) Program specifications
  - k) Qualification framework

Services Provided by QEC

- Anti- Plagiarism Software "Turnitin" for All faculty members and Research Scholar
- Providing Research Incentive to Faculty Members for Research publication
- Provision of Feedback to Teaching Department by Conducting of Teacher and Course Evolution Surveys
- TTS faculty evolutions
- Helping departments for getting NOC for MPhil and PhD degree program from HEC

Membership of Academic Bodies

Head of Quality Enhancement cell is Non-voting Member of

- Board of Studies of all Departments
- Board of Faculty
- Advanced Studies and Research Board
- Academic Council (Co-opt)

QEC Membership

- QEC Yahoo Network
- Talloires Network
- Association of Quality Assurance Agencies of the Islamic World (AQAAIW)
- Asian Pacific Quality Network(APQN)

Membership in process

The International Network for Quality Assurance Agencies in Higher Education (INQAAHE).

Administration of QEC

Dr. Tehseen Tahir
Director, QEC

DIRECTORATE OF ADVANCED STUDIES & RESEARCH BOARD (ASRB)

DIRECTORATE OF ADVANCED STUDIES & RESEARCH BOARD (ASRB)

Introduction

The Directorate of ASRB was established in March 2014. At that time the university was facing a deadlock situation with no semester rules and regulations approved and not a single meeting of ASRB was convened to approve synopsis and examiners, although admissions in 8 PhD and 10 M.Phil programs. In March 2014, Director ASRB was appointed with a mandate to streamline the PhD and M.Phil or equivalent degree programs.

Major Responsibility

The main responsibility of this directorate is to implement the Semester Rules and Regulations for Ph.D and M.Phil or equivalent degree programs and to execute the policies and decisions of statutory body namely Advanced Studies and Research Board (ASRB) constituted under the University of Haripur Statutes.

The responsibilities of ASRB include:

(i) Advise the authorities on all matters connected with the promotion of Advanced Studies and Research in the University;

(ii) Consider and report to the authorities on the institution of research degrees in the University;

(iii) Propose regulations regarding the award of research degrees;

(iv) Appoint supervisors for research students of MS/M and to approve titles and synopses of their theses/ dissertations;

(v) Approve examiners for evaluation of thesis and other research examinations; and

(vi) Perform such other functions as may be prescribed by Statutes.

Progress Update (so far)

Following steps were taken:

1. An Advance Studies Advisory Committee was constituted under the convenership of Director, ASRB to frame and propose semester rules and regulations for PhD and M.Phil or equivalent degree programs
2. The admissions details were collected from all the departments and personal files were made for all the available backlog scholars.
3. With a consistent effort, the first ever semester rules and regulations were approved by the Syndicate in its 3rd meeting held on 26th November, 2014.
4. The first meeting of ASRB was held on 8th July 2015 in which 168 synopses and lists of examiners for all 10 programs were approved.
5. Meanwhile, the synopsis and thesis/dissertation templates and formats, along with guidelines and instructions were devised and approved by the statutory bodies.
6. By the end of year 2015 the University of Haripur started awarding degrees to the scholars.
7. In fall 2016 we resumed/announced admissions in M.Phil and equivalent degree programs in all approved departments and submitted compliance report to HEC against the irregularities and deficiencies pointed out by HEC team during 2014.
8. In end of 2017, HEC PhD review committee conducted follow up visit to the University of Haripur and declared all 8 PhD programs OK and allowed to start admission in PhD degree programs in all approved departments.

Currently, the University of Haripur, through this office, is regulating PhD program in 11 departments (69 enrolled PhD scholars) and M.Phil program in 15 departments (520 enrolled MPhil scholars) out of total 19 departments currently established.

This Directorate, after working day and night with commitment, have reviewed and updated our own Semester Rules and Regulations as per HEC

guidelines, for Ph.D and M.Phil programs in 2018 and then 2019 and got it approved from the Syndicate (approved rules are available at UoH website). Developed our synopsis and thesis format, guidelines and templates under the instructions of HEC, and approved by the ASRB.

This office has so for conducted/managed thirteen (13) meetings of ASRB and the process is regular in all its manifestations. We have also conducted through NTS, GAT general test twice at UoH, for the M.Phil and equivalent degree programs in fall 2016 and spring 2017. Then we framed and approved from ASRB the UOH admission test policy and since Fall-2017 we are conducting admission test by the university as per guidelines of HEC.

So far ASRB have successfully completed the admission process during fall 2016, spring 2017, fall 2017, spring 2018, fall 2018 and spring 2019 and the directorate of ASRB regulate these scholars till the award of degree.

This office is keenly involved in the admissions in Ph.D/Mphil and equivalent degree programs, synopsis approval, thesis/dissertation evaluation and approval and other research degree related activities, throughout the process.

Administration of ASRB

Dr. Shah Masaud Khan
Director, ASRB

SOCIAL WORK PROGRAM AT UoH

SOCIAL WORK PROGRAM

Introduction

Social work in academic institutions is a process of developing student population that is aware of and concerned about overall society and its allied problems. At the University of Haripur the basic goal of social work department is to equip young generation with necessary knowledge and skills pertaining to solution of existing community's problems and prevention of new ones. It focuses mainly on inculcating positive changes in attitudes of students and building their capacity to work individually and collectively for bringing improvement in the overall well-being of society to contribute their due part in serving the ailing humanity.

The UoH operates it academic flight with the moto of "Restoring hope; Building Community". To significantly contribute toward towards achieving our strategic goals, social work has been made obligatory, mandatory and integral part for the award of degree.

Aims and Objectives of Social Work:

- To promote effective human service system
- To enhance problem solving, coping and development capacities
- To link people with resources, services and opportunities
- To develop and improve social policy
- Caring, curing and changing the society

Focus of Social Work at UoH

Looking into the qualities required for social work we cannot separate the social work from educational system as education provide base for social activities. The educational system in University of Haripur has been integrated with a mandatory social work so that the local community directly gets benefits from this institution.

Social Work Projects mainly focus on promoting the dignity of labour, alleviating sufferings of humanity, help for the needy, the spread of Scientific ideas and techniques, promotion of health and hygiene, rural works programmes , social education of participation in the construction of roads, laying of parks and play grounds, plantations and afforestation anti pest operation or relief work during pestilence, epidemic, fire or other natural calamities, civil defense, relief work in under privileged areas and segments of population or such other activities as may be approved by the Vice Chancellor.

Administration of Social Work

Muhammad Fawad
Incharge
Social Work

FACILITIES FOR STUDENTS AT UoH

FACILITIES FOR STUDENTS AT UoH

Hostel for Students

One of the most important facilities provided by the University of Haripur is the acceptable and affordable accommodation for male students. Hostel administration ensures congenial , hygienic living conditions and modern amenities, keeping in mind the students' needs of growth and development. A well organized Hostel Mess takes care of balanced diet required to meet the basic principle of a healthy mind in a healthy body. The University ensures the safety and security of the students in the hostels through security guards. Hostel accommodation will be allotted to outstation students who get admission in the University of Haripur. Students are required to apply on prescribed form. Hostel accommodation will be allotted by Warden of Hostel on "first come first served" basis, depending on the availability of rooms. Admission form for hostel can be downloaded from University of Haripur website: www.uoh.gov.pk

Students Facilities in Hostel

In order to facilitate the students, the following facilities have been provided;

- Fully furnished accommodation
- Mess
- Mosque
- TV Lounge
- Newspapers
- Common Room
- Electric Water Coolers
- Internet and Wifi facility
- Free Transport Facility

Students Cafeteria

Being at approximately 5 kilometers from Haripur city and lying in relatively underdeveloped area, the UoH students and faculty members used to face serious hardships concerning quality food and other refreshment facilities. In view of its obvious and potential importance, approval of UoH cafeteria construction was granted with a total project cost of Rs11.7 Million. The project was completed in September 2013. The University canteen has four sections one each for male and female students as well one each for male and female faculty members. The canteen can accommodate approximately 200 people at a time.

First Aid Center

First aid center at University of Haripur is established in January 2012, as an emergency care unit when this was a campus of Hazara University. First Aid Center at University of Haripur is an appropriately equipped, four beds clinic open to any current student and staff member. Headed by an experienced female medical officer and technical staff.

It provides services such as:

1. Medical treatment for injury and acute illness.
2. Counseling for stress reduction, mental health crisis, change in behavioral pattern, nutrition and more.
3. Advice on hygiene and preventive health.
4. Acute emergency cases management with in time referral to the hospital.

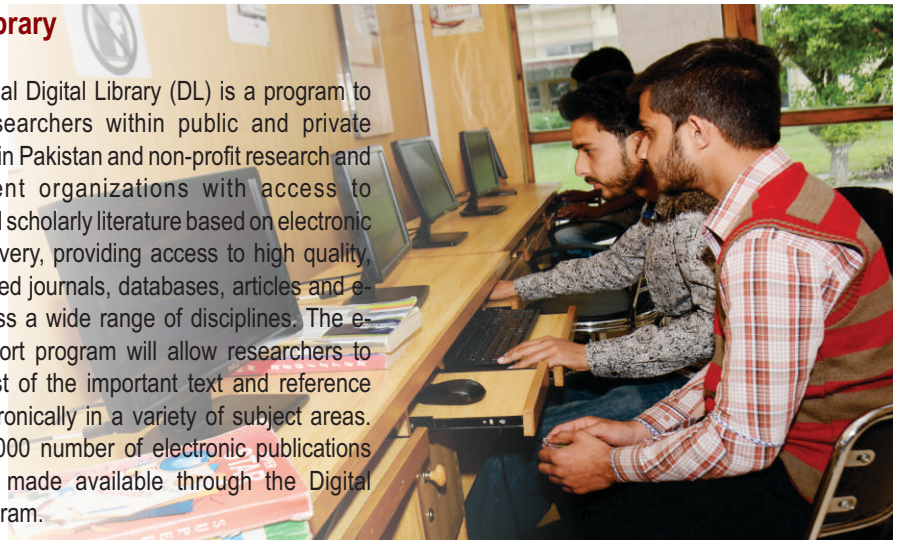
Video Conferencing Facility

University of Haripur is using Video Conference facility on 64 Mbps connectivity via PERN-II. In this year, UOH successfully conducted many sessions of Videoconferencing like online seminars, webinars, symposiums, talks and research facilitation workshops. It is important to mention that UOH has one of the largest spacious Video Conference facilities for online lectures that can accommodate up-to 72 people simultaneously. There are very limited HEIs having more than one Video Conference facilities and fortunately UOH is one of them.

Transport Facility

A total of 25 operation vehicles including buses, Coasters, HI-Aces, Ambulance and cars are available for smooth running of the academic and administrative business of UoH. All the female students are provided pick and drop facility. Moreover, full time buses are available for students study trips and fields visits. Coaches are available to facilitate teaching and administrative staff in pursuing different tasks concerning UoH academic and administrative aspects.

Digital Library



HEC National Digital Library (DL) is a program to provide researchers within public and private universities in Pakistan and non-profit research and development organizations with access to international scholarly literature based on electronic (online) delivery, providing access to high quality, peer-reviewed journals, databases, articles and e-Books across a wide range of disciplines. The e-books support program will allow researchers to access most of the important text and reference books electronically in a variety of subject areas. Around 75,000 number of electronic publications have been made available through the Digital Library Program.

Website

To convey UoH message to local, national and international community in a clear, unambiguous and professional manner, development and constant updating of a robust and dynamic website was given top priority. The UoH website offers important links concerning administrative, academics and research aspects.

Following are the important links.

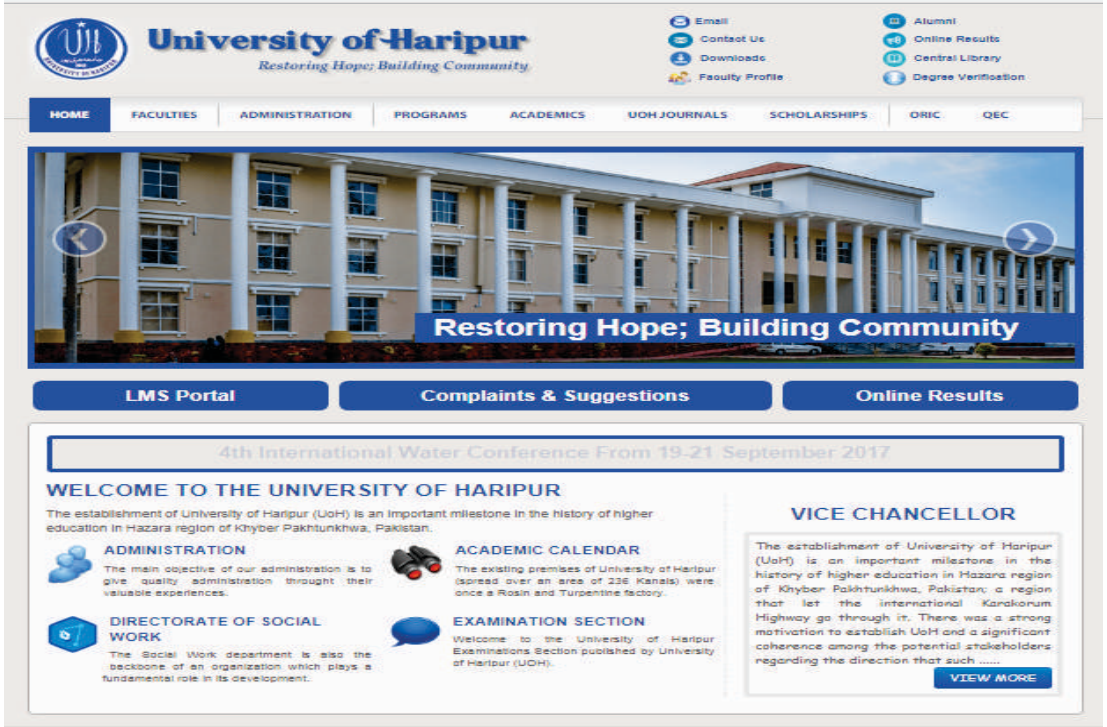
Online Registrations	Administration
Online Admissions	Academics
Research	Scholarships
Departments	Alumni
Contact Us	Online Results

ERP System Facility

ERP (Enterprise Resource Planning) software applications act as the central company-wide information system. ERP systems integrate all of an organization's departments, divisions, lines of business and geographical locations into a single, shared, unified and enterprise-wide information system. The University is an "enterprise" and an ERP solution integrates all functions - student information, human resources and financial systems - into one administrative system. The main advantages of ERP for higher education institutions are following:

- Improved information access for planning and managing the institution
- Improved services for the faculty, students and employees
- Lower business risks
- Increased income and decreased expenses due to improved efficiency

ERP of UOH is underway and IT Team is trying hard to cater all the modules in the system that will take the approach of Complete Automated Management System. CMS may take 3-4 months for its complete deployment. Currently most of the modules have been developed by the university including admissions, Registrations, Exams, RFID Cards, ORIC, QEC etc. Complete work plan for the CMS deployment is placed below:



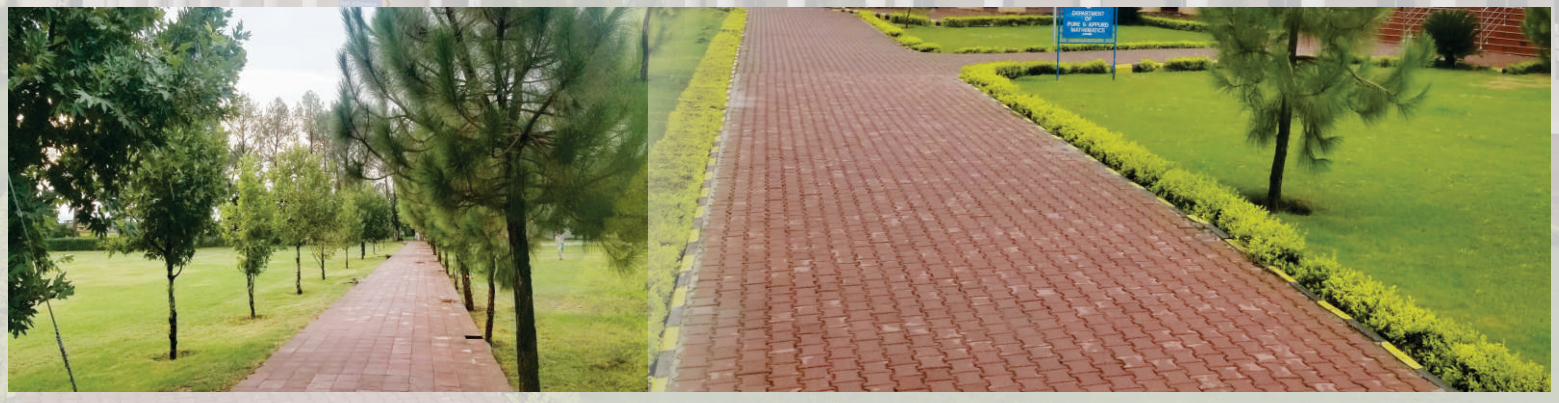
Well Equiped Scientific Labs

Pheasantry

The University of Haripur has established a Peasantry at its campus. The Peasantry is managed by the Department of Forestry and Wildlife Management of the University and comprises of 20 cages of 10 x 20 size with a height of 10 feet .The cages are partially covered on the top with fiber glass to protect the bird feed and water from sun and rainfall. Natural environment has been created for the Pheasants in the cages by planting various species of plants including bushes and climbers. These plants provide hiding, thermal and breeding cover to the pheasants. Several species of Pheasants have been kept in the Pheasantry. These includes Ring necked, Red Golden, Yellow Golden, Silver, Reave's , Kalij, Lady Amhrest, Blue Indian Peafowl, Pied Peafowl and Wood green Pheasant.

Mosque for UoH Community

Walking Tracks



Sports Facilities at UoH

Main Cricket Ground

Basketball Court

Football Ground

Table Tennis Facility

Volleyball Court

Cricket Facility

ADMISSION & EXAMINATION PROCESS

ADMISSION & EXAMINATION PROCESS

Following are the admissions and examinations rules for BS (4 years) & M.A/M.Sc (two years) programs of University of Haripur (UoH). Detail semester rules are available on UoH website www.uoh.gov.pk

Admissions

Each candidate shall make an application for admission on a prescribed form in response to an advertisement.

Applications for admission, to disciplines courses, shall be invited by the Director Academics/Provost on prescribed form to reach his office, complete in all respects, on a specified date to be announced by him.

The candidates are required to submit in person the application forms. All application forms, for admission shall be accompanied by attested copies (by a Gazetted Officer BPS-17 and above) of the following documents:

a. SSC/HSC/BA/BSc or equivalent Examination certificates or a surety certificate in case of non-declaration of result;
b. Detailed Marks certificates;
c. Character Certificate from the Head of institution last attended;
d. Provisional Certificates;
e. Domicile Certificate;
f. Four passport size photographs;
g. Migration Certificate;
h. An undertaking as per specimen appended in the prospectus;
i. Computerized National Identity Card or “B” form or CNIC of Father/Guardian
j. Every application shall be accompanied by a declaration signed by applicant and counter signed by his father/guardian, that he/she would abide by the Statutes, Rules and Regulations of the University and instruction issued to him/her from time to time by his teacher, Chairperson of Department, Dean of the Faculty and the Vice Chancellor.

Candidates applying for more than one discipline are required to submit an additional application form for each category.

A person holding a Bachelor's degree from a recognized Pakistani University, or an equivalent degree from any other recognized university, with at least;

a. Second division for annual system
b. (CGPA not less than 2.00 equivalent to 50% marks) shall be eligible for admission to the masters (Two Years)Programme of study.

Eligibility for admission to Bachelor's Programme shall be F.A/F.Sc, or an equivalent certificate/ diploma from any other recognized institution, with at least 'a second division' or 'its equivalent grade based on minimum 50% marks for other than annual system'.

Applicant/candidate with 'third division' / 'less than 2.00 CGPA or equivalent for other than annual system' is not eligible for admission to any study Programme of the University.

Candidates considered eligible for admission for all degree Programmes shall appear before the Admission Committee for test and interview.

Admission shall be made on the basis of 40% weightage for academic performance in Intermediate and 30% weightage in the Entry Test &30% in Matric.

Admission shall be carried out by an Admission Committee consisting of at least 03 members headed by the Chairperson/HOD/Principal of the Department/Institute/College concerned. The decision of the Admission Committee shall be final.

All admissions shall be provisional. The admissions should be approved by the Dean of the Faculty concerned on the recommendations of the Admission Committee of the concerned department.

Admission shall be carried out strictly on the basis of merit as per admission policy / semester rules.

Wherever quota system exists the criterion of merit shall be applied within each group.

The list of nominees for the quota seats will be received through concerned departments/ agencies etc. The nominees will have to submit application forms prior to their test/interview by the selection committee. The University will not accept any advance copy for admission from any candidate.

The number of open merit and quota seats shall be determined by the Syndicate on the recommendations of the Academic Council.

If any candidate fails to appear before the Admission Committee for interview or for admission test at the fixed time he/she shall not be considered for admission.

If two candidates have equal merit. The one senior in age shall be given preference over the other for the purpose of admission.

All the candidates must bring the original certificates for verification in the interview.

Wherever needed, the equivalence of academic qualification shall be determined by the Equivalence Committee of the University of Haripur.

Foreign students shall be considered for admission after prior approval of the Ministry of Education, Government of Pakistan, Islamabad.

Undertaking/Agreement

All candidates selected for admission, on open merit seats/reserved, will be required to submit an Undertaking/Agreement, on a Rs.100/- judicial Stamp Paper.

Incorrect information or suppression of facts, in application form, shall entail refusal of admission and of expulsion from the University even if admission has already been granted.

Late admission will be allowed to only those candidates who are on waiting list. They will be informed about their selection and will be required to finalize the admission requirements within the notified period.

Late admission may be granted in very special cases by the Vice Chancellor up to one week after the last date with the late fee of Rs. 2000/-

Candidates selected for admission will be required to finalize the admission requirements within the notified period, failing which their right of admission will be forfeited and the seats will be allotted to the deserving candidates on waiting list.
Admissions shall be finalized after verification of the academic documents from the respective Boards/Universities. The admission of such candidate shall be cancelled immediately if any of his/her documents are found fake/bogus. Such a candidate will have no right of appeal and shall not go to any court of law against the University.

Admission to one department shall not give a student a right to migrate to another department.

Ineligibility

The following shall not be eligible for admission to Bachelors and Masters Programmes:

a) Those who have ceased to be student of this University on account of violation of university discipline
b) Those who are already on the rolls of this University or any other university
c) Dropped twice from the roll of the University

Age Limit

The maximum age limit for admission in Masters (Two Years) &the Bachelor (4 Years)Programmes shall be 30 and 25 years respectively. Any one beyond the prescribed age shall not be admitted unless the relaxation is granted by the concerned Dean on the recommendation of the Chairperson of the department concerned. The candidates having age limit beyond the stipulated age shall not be enrolled/admitted nor allowed to attend classes unless and until he/she obtains approval for waiving off of the “Over age period”. The eligibility for

attainment of age limit of 30 and 25 years shall be counted from the fixed date of admission.

The Vice Chancellor may cancel/refuse admission of/to any student without assigning any reason.

The Academic Council may prescribe other criteria for determining merit for admission from time to time.

University dues are paid at the start of each Semester. Those who do not pay dues within 10 days of 1st month of the Semester are not allowed to attend the classes. The defaulters of the University dues are not permitted to sit in the examinations. (Also refer 16.1 d)

Dual Enrollment: Students enrolled, as a full time regular student in any of the degree Programme offered by University of Haripur, cannot be allowed admission simultaneously in any other degree Programme in University of Haripur and in any other university/degree awarding institution as well. In case a student is found and verified for dual enrollment he/she will be liable for cancellation of his/her enrollment from University of Haripur.

Semesters

FALL / SPRING Semester

a. There will be two regular semesters (Fall and Spring) per academic year.
b. Each semester will be spread over 16-18 weeks (inclusive of examinations).
c. Universities / institutes are at liberty to enroll students (if they fulfill their criteria) for any semester and issue transcript with letter grades at the end of the semester.
d. The Fall semester shall start in September each year and the Spring semester shall start in February. In case the teaching in the whole of the University is suspended because of some exigency, the period of the semester shall be extended to the extent of the lost period of time.
e. Each semester shall be of eighteen weeks duration, out of this period, sixteen weeks shall be reserved for teaching and two weeks for conduct of terminal examinations.

Credit Hours

A credit hour means teaching a theory course for 60 minutes each week throughout the semester.

One credit hour in laboratory or experimental work would require lab contact of two hours per week throughout the semester.
The credit hours are denoted by two digits within brackets with a hyphen in between. The first digit represents the theory part while the second (right side) digit represents the practical.

- Thus 3(3-0) means three credit hours of theory, while 4(3-1) means a total of four credit hours, of which three are of theory while one credit hour is for laboratory.
- The weekly contact hours of a 3(3-0) course will be three.Contact hours of a 4(4-0) course will be four, the contact hours of a 4(3-1) course will be five while the contact hours of a 3(1-2) course will be five.
- The contact hours during the Summer Session will be doubled to ensure that the course is completely taught in a semester with half the duration compared with a regular (Fall/Spring) semester.

Academic Calendar

The University of Haripur publishes a schedule of complete academic year for its Fall, Spring& Summer semesters for the convenience of students and faculty members mentioning the following:

- Semester starting dates
- Holidays during the semester
- Semester termination dates
- Final exam week
- Grade notification date

a) Students are responsible to meet the requirement and deadline published for each semester in the academic calendar of the university. Students will also be expected to know and adhere to the rules, regulations, course loads, pre-requisites, and policies of the university, as well as those of the departments /

institutes in which they are enrolled.

b) In case the University is closed owing to the circumstances beyond the control than special makeup classes will be arranged converting weekends or holidays to working days to cover the lapsed period of students.

Attendance

A student will be allowed to appear in examination only if he/she has attended, not less than 75% of the lectures/seminars delivered to his/her class in each course and 75% of the practical/laboratory demonstrations prescribed for the respective courses.

Counting of attendance shall start from the date of commencement of classes.

A date-wise record of the attendance of students shall be maintained by each teacher and will be displayed on the notice board at the every month by the concerned Department).

The period of absence in case of participation in co-curricular/sports activities outside of University of Haripur, with the permission of the Competent Authority may not be counted, as absence.

Students short of attendance are detained and examination admit-cards will not be issued to such students.

Students having class attendance less than 75% in a particular course will be required to repeat the course when it is offered again.

In addition to 'F' grade awarded on the basis of academic failure, a student having less than 75% attendance will also be awarded 'F' grade in that subject. The 'F' grade(s) so obtained will only be cleared by repetition of the course(s) whenever offered, so that the students are made to attend the missed courses.

Absence from class for two consecutive weeks or more (two weeks means six classes for a three credit hours course and four classes for a two credit hours course) without any genuine reason shall entail cancellation of admission in the course by the class teacher which would only be restored on appeal to the concerned teacher made within 05 days of the cancellation order with payment of Rs.500/-. The class teacher will inform the Chairperson of the Department regarding cancellation and restoration of admission in the course

Sanction of leave up to 07 days shall be sanctioned by the Chairperson/HoD/Principal of the Department concerned. Sanction of leave beyond one week will be granted by the Vice Chancellor on the recommendations of the Chairperson/ Dean/Principal concerned. The maximum leave period to be availed in exceptional cases on very genuine grounds in one semester will not exceed Thirty (30) days.(However the total percentage of attendance must be 80% after availing the leave, failing which student will not be eligible to appear in Terminal Exam.

Examinations

A student shall be eligible to appear in the terminal examinations provided that:

a. He/she has been on the roles of the University during that semester;
b. Has registered him/herself for the courses of study, and
c. Has 75% attendance (refer rule 15.1 to 15.7 for detail)
d. Has paid all the University dues including tuition/hostel fees, etc, by the commencement of the semester. (Refer 7.14 & 16.16 also)

A student shall be evaluated in each course on the basis of

a. sessional tests,
b. class assignments,
c. quizzes,
d. mid-terms,
e. Terminal examinations.
f. give presentation,
g. participate in group discussion, and
h. submit projects/lab reports by the due dates
i. any other

These (refer 16.2 a–i) will have different weightages and contribute towards the overall assessment in percent marks. The following weightage shall be given to the Examinations/home assignments/ terms paper etc, for each course in each semester:

Evaluation Category	Distribution of Marks
Class tests/ Quizzes	10%
Assignments/Presentations etc	15%
Mid Term	25%
Terminal examination	50%

In case a student joins a course after it has started, he/she will be responsible for any missed quizzes, assignments and lectures.

The marks in missed quizzes etc will be zero while make-up tests, assignments, projects and labs can be arranged in consultation with the teacher/Head of Department.

Where a student misses a class test because of an emergency or because of his/her illness, for which he/she has obtained prior permission from the teacher concerned, in writing, he/she shall take a make-up test. A make-up test will be arranged only once. A student, who fails to appear in the make-up test, will be awarded zero marks in that particular test, and the result will be finalized. For make-up tests students are allowed to appear only in that portion of the course which they have missed. (read in conjunction with Rule 14.5 of the semester rules)

The amount of student home assignment and term paper will range from two to four assignments / one term paper per course in each term.

Mid-term examination will be held in the 9th week of each semester. The terminal examination will be held at the end of each semester on the dates fixed by the concerned Deans in consultation with the Chairmen of the departments. The Provost/Director Academics shall announce the approximate dates of examinations at the beginning of the semester.

Minimum time allowed for mid-term examination in each course will be one hour and that for the final examination shall be two hours.

There will be no supplementary/special Examination in Semester System; if a student fails he/she will have to repeat the course.

In order to qualify in the examination of a course, a students must obtain at least 50% marks. It will also be essential to pass in the laboratory work. (Read in conjunction with 18.6 of the semester rules)

After marking the class tests, quizzes, mid-term examination and final examination papers the same must be shown to the students and discussed with the class. Any question relating to marking should be discussed with individual students but the answer papers, projects assignments, term paper etc, should be taken back from the students immediately after the students have seen their performance and discussed the questions, if any, with the instructor to be kept safely for record.

There shall be no re-evaluation of answer books except as mentioned in 16.2 (d& e of the semester rules) above.

The evaluation shall be internal, except for the thesis examination for which an external examiner could be associated.

Each Department shall have a departmental committee, consisting of at least 3 members to decide all problems regarding evaluation. The decision of the committee shall be final. (read in conjunction with 22.1 -22.6 of the semester rules)

About one week before the final examination, the teacher in each course shall send to the Chairperson / Director of the Department / Institute a statement in duplicate giving the total number of lectures delivered (and practicals conducted) by him together with the total number of lectures and practicals attended by each students.

A handicapped/disabled (blind) student will be provided writer/amanuensis at the expense of the student concerned on the recommendations of the Chairperson of the teaching department. The

writer/amanuensis shall be of a lower grade of education than the candidate. He/she would be allowed 45 minutes for solving the question paper over and above the time stipulated for a question paper.

All cases pertaining to UFM shall be dealt with in accordance with the provisions made under the regulations relating to UFM/malpractices in the examinations.

The defaulters of the University dues are not permitted to sit in the examinations.

Grading Policy

Letter grading should only be used for representing the individual courses and not report the semester GPA/CGPA.

The following range of grade points for each letter grade will be followed;

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

*fraction is to be rounded as a whole.

There should be no other grade point values except the above points.

The percentage of marks or values of grades other than grade points should not be reported on the transcripts whether they are relative grades or absolute grades.

The minimum pass marks for each course shall be (fifty percent) 50%.

A student obtaining less than 50% marks in any course shall deem to have failed in that course. Less than 50% marks secured by a student in any course shall not be counted towards the aggregate marks.

(Read in conjunction with 16.11 of the semester rules)

The equivalence between letter grading and numerical grading shall be as follow:

Marks (%)	Grade point value	Grade	Remarks
Grade A			
90 & above	4.00	A+	Excellent
85-89	4.00	A	Very Good
80-84	4.00	A -	Very Good
Grade B			
79	3.9	B+	Good
78	3.8	B+	“
77	3.7	B+	“
76	3.6	B+	“
75	3.5	B	“
74	3.4	B	“
73	3.3	B	“
72	3.2	B-	“
71	3.1	B-	“
70	3.0	B-	“
Grade C			
69	2.9	C+	Satisfactory
68	2.8	C+	“
67	2.7	C+	“
66	2.6	C+	“

Marks (%)	Grade point value	Grade	Remarks
65	2.5	C	“
64	2.4	C	“
63	2.3	C	“
62	2.2	C-	“
61	2.1	C-	“
60	2.0	C-	“
Grade D			
59	1.9	D	Pass
58	1.8	D	“
57	1.7	D	“
56	1.6	D	“
55	1.5	D	“
54	1.4	D	“
53	1.3	D	“
52	1.2	D	“
51	1.1	D	“
50	1.0	D	“
Grade F			
0-49		F	Fail
Withdrawn course		W	Withdrawn
Incomplete course		I	Incomplete

Percentage of marks shall be calculated up to three significant figures. If the second fraction after decimal is 4 or less, it will be ignored. However, if the second fraction is 5 or more, it will be taken into account by raising the first fraction to the next higher digit. (Examples: 59.91 through 59.94 will be considered 59.9 while 59.95 through 59.99 will be raised to 60. Third fraction and higher will be ignored).

The result of a student in each course having passed or failed shall be indicated on the transcript by letter grade. For students completing Master's and Bachelor's (Hons) degrees in the normal period of four and eight semesters respectively, a mention to this effect shall be made in their transcripts.

If a student fails to complete the requirements of the Honours Programme within the normal period of 08 semesters, an extension for 02 semesters may be allowed by the Board of Studies. In case of Master Degree Programmes of 4 semesters, the Board of Studies may allow him/her an extension of 02 semesters.

Every student of undergraduate must successfully complete his course requirements in a maximum of 12 and 6 semesters respectively from the date of his first registration (commencement of classes). No student under any circumstances shall be allowed to continue studies beyond sixth semester in case of Master Programme and beyond twelve semesters in case of Bachelor's (Hons).

For M.Ed and B.Ed must successfully complete his course requirements in a maximum of 4 and 3 semesters respectively from the date of his first registration.

Computation of Semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA)

Semester Grade Point Average (GPA) and Cumulative Grade Point Averages (CGPA) will be calculated using the following relationships:

GPA= sum over courses in semester (course credit hour x grade point earned)

Total semester credit hour

CGPA= sum overall taken courses in all semester (course credit hour x grade point earned)/ Total credit hour taken in all semesters

CGPA Required for Degree Completion of: The minimum qualifying CGPA for undergraduate level is 2.00.

Promotion, Probation, Dropout and Re-Admission

Promotion from First Semester to Second Semester

An undergraduate student with Grade Point Average (GPA) of 2.0 and above in the first semester shall be promoted to the second semester.

An undergraduate student with GPA 1.50 or more but less than 2.0 in the first semester may be promoted to the second semester on “Probation”.

An undergraduate student with GPA less than 1.50 in the first semester shall be dropped from the first semester.

Promotion from the Second and Subsequent Semesters

An undergraduate student with Cumulative Grade Point Average (CGPA) of 2.0 and above shall be promoted to the next semester.

An undergraduate student with CGPA 1.50 or more but less than 2.0 may be promoted to the next semester on “Probation”.

An undergraduate student with CGPA less than 1.50 shall be dropped from the semester.

Probation Status

There shall be no probation allowed in a Programme comprises of two semesters duration

There shall be only one probation allowed in a Programme comprises of four semesters duration
There shall be two probation allowed in a Programme comprises of eight semesters duration

A student who has availed his/her allowed probations status, and still unable to maintain a CGPA of 2.0 for undergraduate shall be dropped from the Programme as well as from the Department/College/Institute/Center/ University of Haripur rolls.

An undergraduate student who has been declared to be dropped in 1st, 2nd or subsequent semester due to GPA/CGPA less than 1.5 may be readmitted to the first semester as a fresh candidate

Requirement for Awarding of Degrees

An undergraduate student must have a proper admission in the Undergraduate Programme of the Institute, and should earn a minimum of 124 credit hours for Bachelor (Hons) from the institution/Department of University from where he/she will be entitled for the degree.

A Master degree (Two Years Duration) will be awarded on successful completion of a minimum of 70 credits.

Students of those departments where project/dissertation is a requirement for undergraduate degrees, will be required to carry out research on a project/dissertation of 3 to 6 credits and submit a project report/dissertation as a requirement for partial fulfillment of their Master/Bachelor (Hons) degrees in the relevant disciplines.

A student will select the topic of research in consultation with his/her supervisor during the 3rd semester in case of Master's degree and during the 7th semester in case of Bachelor's degree.

The time of summer vacation prior to or following the 4th and 8th semester will be utilized for the project report/dissertation by Master's and Bachelor's degrees students, respectively.

The student will be required to do field work up to 16 weeks where necessary.

The final project report/dissertation will be submitted by the student in spiral/loose binding through the supervisor to the department by the end of the 4th and 8th semester or during the extended period.

The project report/dissertation will be submitted 2 weeks before the commencement of the next semester.

Freezing of A Semester

A student can apply to freeze semester(s) during 1st ten days of commencement of semester as mentioned in Academic Calendar. Applications received after ten days will not be entertained.

If a student freezes a semester(s), s/he will be admitted in the same semester (Whenever offered by the University/Institute)

No freezing in the first semester is allowed. The maximum duration of the degree Programme shall remain the same(12 Semester)

Freezing up to two semesters from course work is allowed to students facing acute domestic problems/valid reasons subject to approval of Vice Chancellor on the positive recommendations of Chairperson/HOD/ Principal. During freezing semester the student will be required to pay 25% of tuition fee for each suspended semester to continue his/her registration with University of Haripur. In case the student uses the institutional facilities (such as library, labs, help from faculty etc.) of the college/institute/Centre, he/she will be required to pay 50% of tuition fee during the suspended period.

Conduct of Semester Examinations

All mid-term/terminal Semester Examinations of the University, shall be held at concerned Department/institute/affiliated colleges, on dates and schedule prepared by the Department/ Institutes, unless otherwise approved by the Vice Chancellor and duly forwarded to Controller of examinations as per Para 2 below.

Examination Schedule

The Departmental examination office of the respective department/institute/Centre will publish the examination schedules at least 02 weeks prior to the commencement of the mid-term/terminal examination and forward a copy of the schedule to Controller Examinations, University of Haripur.

All question papers are set by respective faculty and duly scrutinized, approved and conducted in accordance with the University of Haripur policy. As per the spirit of Semester system, there will be no choice in attempting the questions. It will also be ensured that the question Papers are balanced with respect to the examination policy and have been prepared to cover the essentials of the whole syllabus completed by the faculty. In case the teacher who teaches a course is not present at the time of the examination, the Chairperson/Head of the Department may appoint another teacher for the purpose.

Rechecking/ Retotaling

There shall be no re-evaluation of answer books. Appeal for rechecking of paper(s) shall be lodged within seven days after resumption of classes of the following semester to the Controller of Examinations with a fee of Rs.600/- per paper. Rechecking will mean re-totaling of marks and checking for unmarked questions (If so left without marking).

DEPARTMENTAL CONTACT NUMBERS

Department of Agricultural Sciences
0995615272

Department of Environmental Sciences
0995615515

Department of Forestry and Wild Life
0995614164

Department of Geology
0995615070

Department of Information Technology
0995615395

Department of Medical Lab Technology
0995610513

Department of Microbiology
0995615075

Department of Public Health
0995615330

Department of Pure and Applied Mathematics
0995615056

Department of Economics
0995614806

Department of Education
0995615399

Department of Islamic & Religious Studies
0995615390

Department of Management Sciences
0995627651

Department of Psychology
0995613426

"Just as castles provided the source of strength for medieval towns, and factories provided prosperity in the industrial age, universities are the source of strength in the knowledge based economy of the 21st century"

(Lord Dearing, September 2002)

Contact Us:

Mr. Muhammad Fawad
Deputy Provost, The University of Haripur
Tel: 0995-615391, 0995-615225
Email: mfawad@uoh.edu.pk
Website: www.uoh.edu.pk

Follow Us @

Address:

The University of Haripur
Off Hattar Road, Near Sawat Chowk, Distt. Haripur
Khyber Pakhtunkhwa - Pakistan
Tel / Fax: 0995-615384
Website: www.uoh.edu.pk