

PROSPECTUS
OF
MSc Face to Face/PGD Programmes
For
SEMESTER: SPRING, 2020



Allama Iqbal Open University
Islamabad

Price Rs.500/-

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Semester:.....	Spring 2020
Price:	Rs.500/-
Composed/Layout:	Muhammad Hameed
Printing Incharge.....	Anwar ul Haq
Printer.....	AIOU Printing Press, Islamabad
Publisher	Allama Iqbal Open University, H-8, Islamabad.

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Face to Face Programmes:

- i. MSc Microbiology
- ii. MSc Environmental Sciences
- iii. MSc Botany
- iv. MSc Chemistry
- v. MSc Mathematics
- vi. MSc Physics
- vii. MSc Statistics
- viii. MSc TV Production

Schedule for Merit based Admission:

Applicants of the above programme is required to send admission form directly to the department concerned without admission fee as per procedure given in the prospectus. Admission schedule for these programmes is given in the advertisement also available on AIOU website.

All applicants are advised to write their mobile numbers in admission forms. All intimations will be sent through SMS and website **www.aiou.edu.pk**. For further information please contact the department concerned.

Vice-Chancellor's Message

Dear Student,



Welcome to Allama Iqbal Open University, the first distance education university in South Asia that provides cost effective education to 1.3 million students not only in Pakistan but also in Middle East. This university has the unique privilege of blurring temporal and spatial boundaries by providing education at the thresholds of the students. The university offers a diverse range of educational facilities, starting from basic literacy programs to the PhD level. The courses are regularly revised to bring them at par with international standards. The university offers maximum number of specializations at postgraduate level through four faculties, i.e. Faculty of Arabic and Islamic Studies, Faculty of Education, Faculty of Sciences, and Faculty of Social



Sciences and Humanities. The university has a huge network of faculty members, tutors, resource persons, specialists and experts who strive hard to ensure that the programs offered by the university enable the students to become independent learners and critical thinkers. The university takes special measures to establish and strengthen research culture and prepare those individuals who can play an instrumental role in the process of progress and development of the country.

I welcome you to the postgraduate studies at AIOU and wish you a challenging yet successful journey ahead.

Prof. Dr. Zia Ul-Qayyum
Vice Chancellor
AIOU

ALLAMA IQBAL OPEN UNIVERSITY

Allama Iqbal Open University, a mega university was established in 1974 under an Act of Parliament. The main campus of the university is situated in sector H-8, Islamabad. It was the second open university of the world and the first of its kind in Asia and Africa. The aim of establishing AIOU was to provide affordable and accessible education through distance learning at the door-steps to those people who could not continue their education journey through formal system of education. The University (AIOU) operates on semester system and admits students in Autumn and Spring semesters. Under graduate admissions are offered in both the semesters where-as postgraduates are offered once a year. The enrolled students are given course books specially prepared by the university on self-instructional principles. However, at post graduate level reprints of foreign books alongwith allied material and university prepared study guides help students to polish their skills. At present, the AIOU is offering programmes from matric to PhD level in diverse disciplines comprised of four faculties. The university has established study centres across the country where distance education students are provided necessary guidance by their respective tutors. The university has established full-time study centres and is offering four years' under-graduate degrees. Apart from curricular and extra-curricular activities during the academic year, the AIOU and its regional centres actively participate in the co-curricular activities by arranging educational and literary seminars, workshops and conferences at national and international level, attended not only by the students and faculties of the university

but also by the renowned dignitaries and scholars. For the science students and the research scholars, a science complex has been built where they use the latest equipment of international standard for experiments and research. To meet the present day challenges, internet facility is also available in the student hostels and the Central Library where computers have been provided to enable students to access latest information available through open source databases.

FACULTY OF SCIENCES

Faculty of Sciences forms an important and integral part of the university. Since its establishment in 1982 with five teaching departments, it has undergone major development changes. It now comprises nine teaching and research departments which are offering courses at the undergraduate and postgraduate levels to more than ten thousands students. The Faculty operates under the basic guidelines of the University Act and on "Education for All as Convenient" basis so that maximum students get benefit from its academic programmes and educational facilities. This principle has necessitated some structural changes in the non- formal mode, particularly at the postgraduate level, in the offering of theory courses and practical lab work. This conceptual adjustment has been quite successful and many of its in-service students are benefiting from the postgraduate study programmes. Improvement in qualifications for a better life is a right of everyone and the Faculty's programmes meet this challenge by offering opportunities to all. In particular a significant number of beneficiaries are those who cannot afford education in formal institutions due to a variety of reasons.

Realizing the importance of science education and growing needs of the Faculty of Sciences, the University has completed a building, the Research Complex, at a cost of Rs 35 million. The Research Complex now accommodates departments of Agricultural Sciences, Biology, Chemistry, Environmental Sciences, Home & Health Sciences, Mathematics, Statistics and Physics. These departments are running a variety of postgraduate technical, scientific and professional programmes successfully. The Research Complex also has a Computer Lab with Internet and On-line Library Facility for literature survey, Seminar Room, Lecture Hall and Library. In addition, there are many labs for practical work, teaching and research, and instrumentation labs for analysis. The University is developing these labs through its own resources. The Faculty of Sciences is fortunate to have Prof. Dr. Zia Ul-Qayyum as the University's Vice-chancellor, who has given personal attention to the development of the Faculty of Sciences by providing generous amount of funds and valuable guidance.

Two Model labs have been developed in the Research Complex with the assistance of the Higher Education Commission to meet the training needs of science teachers. This development is significant for training of teachers since under the new educational policy four-year BS programme has started in undergraduate educational institutions.

More than fifty highly qualified full-time faculty members are on the roll of the Faculty of Sciences. Their role in the planning, designing and development of courses to meet student's needs is vital. Faculty members also engage in imparting and supervising of instructions so that high standards are

maintained. In addition, highly qualified and experienced professors are also engaged on contractual basis or as part time instructors for postgraduate study programmes. The Faculty is also offering academic positions under the tenure-track system to attract the best minds in scientific and technological fields.

Research is an integral part of the postgraduate study programmes leading to MSc, MPhil and PhD degrees in Agricultural Sciences, Chemistry, Computer Sciences, Home and Health Sciences, Physics, Mathematics and Statistics. Rules and regulations governing the postgraduate study programmes are those approved by the Higher Education Commission (HEC).

The Faculty has launched BS programme in Chemistry and Microbiology from semester Spring 2009. The four-year BS programme is structured according to the recent policies of the Higher Education Commission for the improvement of the standard of education so as to bring it at par with the international standards.

DEPARTMENT OF BIOLOGY AND ENVIRONMENTAL SCIENCES

The Department of Biology was established in 1998 with a mission to serve those who could not continue their formal education in various disciplines of Biological Sciences due to economic or job constraints and the production of well-trained manpower to serve various sectors of the country like education and research for the attainment of the goal of self-sufficiency. According to its vision the Department of Biology and Environmental Sciences is striving hard to uplift the teaching

standards and provide a congenial environment for research in the field of Biology and Environment. The Department always seeks to introduce more disciplines at graduate and postgraduate levels as per demand of the society, so as to keep its graduates well informed with the recent advances in Biological Sciences. This will help to produce well-trained manpower meant to serve science both at national and international levels.

Currently the Department is offering graduate programmes in following disciplines:

- BS Microbiology
- MSc Microbiology
- BS Botany
- MSc Botany
- BS Environmental Sciences
- MSc Environmental Sciences

In addition to that, Department is offering some courses from basic to postgraduate levels for main pool of AIOU's general programmes.

1. MSc MICROBIOLOGY (2 YEARS)

Introduction

Presently there is a revolution in the scientific knowledge and this can be called as "Scientific Revolution". Among the scientific disciplines of biological sciences, Microbiology is one of the most important fields, particularly in Pakistan where it is contributing in a wide spectrum of areas including Medicine, Dairy, Poultry, Agriculture and Industry.

Although, the subject of Microbiology has been introduced since long, but the demand from on-job personnel has never been fulfilled in the past. Due to rapid increase in the country's population and based on a great demand from the in-service employees working in public and private institutions, a BS programme in the subject of Microbiology has already been introduced. Now, to cater the need of graduates in relevant disciplines, an MSc programme is being proposed. This programme is designed with an aim to

- Fulfill the gap of trained manpower in the discipline of Microbiology.
- Strengthen the on-going research projects being run in the country in microbiology-related disciplines.

Create awareness among the students regarding new research techniques and modern approaches applicable in the field of Microbiology to address the challenges in the fields of Medicine, Dairy, Poultry, Agriculture and Industry.

Objectives

The curriculum designed for the MSc Microbiology will produce the graduates to:

- Cope up with the issues for wide spectrum of areas including Medicine, Dairy, Poultry, Agriculture and Industry.
- Play a vital role in the economic growth and to bring qualitative changes in the above mentioned areas in the country.
- Create awareness about public health and safety and facilitate the establishment of liaison between Microbiologist and industry.

Launching Scheme

Face to face classes will be scheduled only at main campus of Allama Iqbal Open University, H-8, Islamabad.

Guideline for Online Application:

1. The online application form can be accessed from university official website www.aiou.edu.pk
2. Applicants are required to fill all the desired fields on online application form.
3. Applicants are desired to deposit application fee on the prescribed challan form in specified banks.
4. The challan number after fee submission should be entered in online application form for successful completion.
5. Incomplete forms shall not be entertained.
6. Selection of candidates will be made strictly on merit and as per policy of the AIOU.
7. Only selected candidates will be required to pay their fee/dues by the prescribed dates.
8. The deposited fee will not be refundable or adjustable for future admission.
9. The document showing fee deposit must be provided in the office of Chairperson, Department of Biology, AIOU on or before the last date for the fee submission.
10. In case of non-compliance, it would be assumed that fee has not been deposited and the student is not any more interested in getting admission. The department may invite a candidate in waiting list for admission against the vacant seat.

Eligibility and Selection Criteria

BSc Degree with 2nd Division with Botany and Zoology as major; BSc Veterinary Sciences, MBBS, BSc Medical Lab. Technology, B Pharmacy, BSc Microbiology with at least Second Division are eligible to apply. The admission will be

strictly on merit, which will be determined by the departmental admission committee.

TEACHING METHODS AND MEDIUM OF INSTRUCTION:

The following teaching methodology will be adopted for this programme:

1. Medium of Instruction:

The medium of instruction will be English.

2. Study Material:

The study material will consist of print material and CDs if available. Lecture handouts will be provided to the students by the concerned Resource Person. However, the students are also advised to consult other reference books available in the University Library.

3. Teaching Support:

- a) The university will provide face-to-face teaching to all students registered in this programme.
- b) The schedule of classes and dates of submission of assignments will be conveyed to the students well in time.

4. Assessment and Evaluation:

For each course, the registered students will be assessed and evaluated on the basis of the followings:

- a) Performance in the face to face teaching component.
- b) Continuous assessment through written assignments, midterm examination, or workshops or practical activities in the laboratory.
- c) For final assessment a three hours written examination will be conducted for each course (both in theory and practical) in which face to face classes were held.

- d) A student has to achieve 50% marks to pass the course in every individual component i.e. continuous assessment, Practical Examination and the Final Exam.
- e) Project assessment will be carried out as per prevailing practice in AIOU. The thesis will be evaluated by the committee formulated by the Chairman/Chairperson department.

Note: - The continuous assessment and final examination will contribute 30% and 70% to the student's final course grade, respectively. For successful completion of each course, the student will be required to qualify each of the two above components separately.

Class Work

In this programme, face to face theory classes of one-hour duration per week for each credit hour will be held at the campus. As per AIOU rules, a minimum attendance of 70% is required in class work to appear in the final examination.

Laboratory Work

For each laboratory course in a semester a workshop of 4 to 7 days duration depending upon the number of practicals will be arranged during the semester at AIOU campus, Islamabad. The practicals will be conducted in the Microbiology laboratory.

Degree Requirement

In order to become eligible for the award of degree in MSc Microbiology the students must earn a total of 70 credit hours including six credit hours for research project or as specified by the department.

Duration and Structure

The minimum duration of MSc Microbiology will be two years comprising four semesters. Failing which, a student can be given an extension of 2 years in maximum after the completion of the initial period.

SEMESTER WISE BREAKUP OF COURSES

1st Semester

Sr. No.	Course Code	Course	Credit Hours
1	4403	Fundamentals of Microbiology	4(3+1)
2	4481	Introductory Biochemistry	4(3+1)
3	4482	Biostatistics	3(3+0)
4	4407	Microbial Genetics	4(3+1)
5	4408	Virology	4(3+1)
Total credits			19

2nd Semester

1	4445	Environmental Microbiology	4(3+1))
2	4419	Molecular Biology	4(3+1)
3	1578	Research Methods	4
4	4411	Food and Dairy Microbiology	4(3+1)
5	4405	Microbial Anatomy and Physiology	4(3+1)
Total credits			20

3rd Semester

1	4415	Immunology	4(3+1)
2	4413	Medical Microbiology	4(3+1)
3	4420	Industrial Microbiology	4(3+1)
4	4410	Soil Microbiology	4(3+1)
Total credits			16

4th Semester

1	4417	Epidemiology	4(3+1)
2	4418	Research Project	6
3	4414	Genetic Engineering	4(3+1)
4	4400	Seminar	1
Total credits			15

Total Credit Hours: 19+20+16+15 = 70

Special Courses (Research Project Replacement for Selected Students)

1	7417	Biological Safety: Principles & Applications	03
2	7488	Laboratory Techniques & Instrumentation	03

Fee Tariff: Fee Semester-1 (19 Credit Hours)

Programme Registration fee	Rs.200/-
Admission fee	Rs.700/-
Technology fee (per semester)	Rs.135/-
Per 4 credit hours course fee: Rs.6440	6440 x 4 = Rs.25760/-
Per 3 credit hours course fee: Rs.3235	Rs.3235/-
1st Semester Total Fee:	Rs.30030/-
Seminar Fee: Rs.1080/-	

2. MSc ENVIRONMENTAL SCIENCE (2 YEARS)

Introduction

Environmental conservation, alleviation of poverty and sustainable development are high on the agenda of global concerns (UN conferences: Stockholm 1972, Rio de Janeiro, 1992, New York, 1997 and Johannesburg, 2002). In the context of Pakistan, sustainable development demands justice in the use of resources by the present generation keeping in view the needs of the future generations. Unsustainable management of natural resources hampers the development of mankind and contributes to the unequal distribution of economic welfare. Pollution, depletion of resources and disintegration of ecological functions are of global, regional and local concerns. To prevent continued environmental degradation and the decline of human society, interactions between the mankind and the environment have to be harmonized. This is achievable through an integrated, collective approach encompassing natural science, socio- economic and political factors with technological, economic and social interventions. Environmental science is systematic study of the world around us and our proper place in it. This emerging science is interdisciplinary in nature, integrating natural sciences, social sciences and humanities in a holistic study of the world around us. In contrast to more theoretical disciplines, environmental science is mission oriented. It seeks new, valid and contextual knowledge, skills and attitudes and their impartial, fair and balanced application to the contemporary world.

In pursuit of the best national interest and to align with the international needs and standards, the Government of Pakistan developed the National Conservation Strategy (NCS) in 1992 for environmental education. It is worth mentioning that while

developing the NCS the GoP has emphasized the significant role of AIU in disseminating environmental awareness and education in Pakistan. Considering the enormous demand in the teaching institutions as well as the governmental and non- governmental sectors, the experts produced in the field of environment are extremely low. The minimum requirement is of about 13,000 environmental experts to fill the void in the country, whereas, the public and private institutions are presently producing annually 300 experts only, keeping in view the dearth of qualified environmental experts and to produce quality graduates for emerging need in Pakistan in Environmental Science.

Scope of the programme

This program will enable the students to address the challenges of maintaining environmental integrity for sustainable development in relation to human development. It aims at producing dynamic young graduates in the field of Environmental Science by developing strong skill, academic foundation, communication abilities and professionalism enabling them to compete in both the governmental and non-governmental sectors.

Aim

The program aims at developing human resources for sustainable development through appropriate education and training.

Objectives

On accomplishing the course, the students will be able to:

1. Demonstrate comprehensive understanding of Environmental Science as an interdisciplinary and multidisciplinary subject

2. Achieve awareness about the past, current and expected future situation of environmental considerations in pursuit of sustainable development.
3. Understand the relationship between economic growth and environment and its ramifications.
4. Encourage and develop critical thinking among students in dealing with the real world environmental challenges preferably of local origin.
5. Acquire skills, knowledge and competencies to mitigate environmental problems and make pathways to sustainable development.

Eligibility for Admission

Candidates with the following qualification may apply for admission in Master Programme in Environmental Science:

- i. Candidates having BSc Degree with at least second division with any of the two majors (Botany, Zoology, Microbiology, Chemistry, Geography, Geology, Environment, Physics etc.), except for double math and math-stat combinations.
- ii. Candidates having BSc (Hons) with at least second division in Agriculture, Forestry, Wildlife & Range Management, Horticulture, Geology.

Guideline for Online Application:

1. The online application form can be accessed from university official website www.aiou.edu.pk
2. Applicants are required to fill all the desired fields on online application form.
3. Applicants are desired to deposit application fee on the prescribed challan form in specified banks.

4. The challan number after fee submission should be entered in online application form for successful completion.
5. Incomplete forms shall not be entertained.
6. Selection of candidates will be made strictly on the basis of merit and as per policy of the AIOU.
7. Only selected candidates will be required to pay their fee/dues by the prescribed dates.
8. The deposited fee will not be refundable or adjustable for future admission.
9. The document showing fee deposit must be provided in the office of in charge, Department of Biology, AIOU, H-8, Islamabad on or before the last date for the fee deposition
10. In case of non-compliance, it would be assumed that fee has not been deposited and the student is not any more interested in getting admission. The department may invite a candidate in waiting list for admission against the vacant seat.

Registration for Courses

The selected candidates must register for the courses offered in a semester by the prescribed date.

Degree Requirement

In order to become eligible for the award of degree in MSc (Environmental Science) the students must earn a total of 70 credit hours (including six credit hours for research project) or as specified by the department.

Duration and Structure

The minimum duration of Master Programme in Environmental Science will be two years comprising four semesters. Failing which, a student can be given an extension of 2 years in maximum after the completion of the initial period.

Medium of Instruction

The medium of course material, assignments, workshops as well as presentation would be English for all the courses.

The Study System

Mode of instruction for programme will be face to face teaching, including regular classes, continuous assessment (assignments, tests, quizzes, presentations), practical / lab work and the final assessment (final examination).

Study Material

As per AIOU policy, specifically designed / compiled / adopted course material for students will be provided.

Class / Lectures

Face to face theory classes of one-hour duration per week for each credit hour will be held at the campus. As per AIOU rules, a minimum attendance of 70% is required in classwork to appear in the final examination.

Lab Work / Practical work

For each laboratory course in a semester a workshop of 4 -7 days duration depending upon the number of practical will be arranged during the semester at AIOU campus, Islamabad.

The Assessment System

For each course the student's progress will be assessed as follows:

a) *Continuous Assessment*

- During the semester, the performance of students will be assessed through two assignments (200 marks) for each three credit hour course.

- During the semester, the performance of students will be assessed through 2 assignments (200 marks) and practical work (100 marks) for each four credit hour course.

b) Final Examination

A three-hour written examination for each course will take place at the end of the semester.

c) Project / Thesis

Student will choose topics for research after consultation with the faculty members of the department. Evaluation of the project will be based on the presentation of the project (30%) and project report (70%). Project report will be evaluated at department level.

d) Final Evaluation

For working out the final course grade the marks of Assignments and Final Examination will be calculated in the ratio of 30:70 for these programmes as per AIOU policy. Students have to secure at least 50% marks in assignments and at least 50% marks in Final Examination individually as well as 50% marks in aggregate to pass the course as approved for other equivalent programmes.

**SEMESTER-WISE DISTRIBUTION OF COURSES
(Total Credit Hours 70)**

All the courses have been designed in accordance with HEC Curriculum of Environmental Science for Bachelors and Masters Programme. Recent advances will be incorporated in the existing courses in subsequent years.

1st Semester

S. No.	Code	Course Name	Credit Hours
1	4441	Introduction to Environmental Sciences	3(2+1)
2	4467	Physics of the Environment	4(3+1)
3	4443	Environmental Chemistry	4(3+1)
4	4482	Biostatistics	3
5	4458	Environmental Policies and Regulations	3
Total Credit			18

2nd Semester

1	7413	Scientific Research	4(3+1)
2	4445	Environmental Microbiology	4(3+1)
3	4444	Introduction to Environmental Economics	3
4	4438	Natural Resource management	3
5	4442	Environmental Pollution	4(3+1)
6	4448	Energy & Environment	3
Total Credit			21

3rd Semester

1	4452	Biodiversity and Conservation	4(3+1)
2	4455	Health, Safety & Environmental Management Systems	4(3+1)
3	4450	Environmental Impact Assessment	4(3+1)
4	4453	Sustainable Development	3
5	4456	Environmental Toxicology	3
Total Credit			18

4th Semester

1	4418	Research Project	6
2	4460	Project Management	3
3	4483	GIS & Remote sensing	4
		Total Credit	13

Total Credits = 18+21+18+13 = 70

Special Courses (Research Project Replacement for Selected Students)

1	7417	Biological Safety: Principle & Applications	03
2	7488	Laboratory Techniques & Instrumentation	03

Fee Tariff for 1st Semester:

Programme Registration Fee	Rs.200/-
Admission Fee	Rs.700/-
Technology Fee (per semester)	Rs.135/-
4(3+1) credit hour courses Rs. 6440 × 4 =	Rs.25760/-
(3+0) credit hours course Rs. 3235/-	Rs.3235/-
Total Fee for 1st Semester:	Rs.30030/-

All students are required to pay full fee in advance as prescribed at the beginning of each semester. The university reserves the right to revise the fee structure or add any fee considered appropriate at any time during the study period. All such changes will be applicable to all students.

3. MSc BOTANY (2 YEARS)

Introduction

Historically, all living things were classified as either animals or plants and botany covered the study of all organisms not considered to be animals.

The study of plants is vital because they underpin almost all animal life on Earth by generating a large proportion of the oxygen and food that allow humans and other organisms to exist. Plants are one of the major groups of organisms that carry out photosynthesis, a process that absorbs carbon dioxide, a greenhouse gas that is a small but important variable that influences global climate. As a by-product of photosynthesis, they release oxygen into the atmosphere, a gas that is required by nearly all living things to carry out cellular respiration. Additionally, they are influential in the global carbon and water cycles and plant roots bind and stabilize soils, preventing soil erosion. Plants are crucial to the future of human society as they provide food, oxygen, medicine, and products for people, as well as creating and preserving soil.

Scope of the Programme

This programme has interdisciplinary and multidisciplinary scope enabling students to understand the significance and concepts of Botany. It aims at producing dynamic young graduates in the field of Botany by developing strong skill, academic foundation, and professionalism enabling them to complete in governmental and nongovernmental sectors. Botany covers a wide range of scientific disciplines including the study of plant structure, growth, reproduction, metabolism, development, diseases, chemical properties, evolutionary

relationships and plant taxonomy Graduates MSc in Botany can progress to a wide range of careers. They can work in national and international organization Researchers, Environmental Scientists, Nature Reserve Managers, Research Scientists, Wildlife Management Advisors, Project Officers, Ecological Consultants and Conservation Officers, Quality Control Officers, Salesperson etc.

Aim

The programme aims at developing human resources in the field Botany through appropriate education and research.

Objectives

On accomplishing the course, the students will be able to:

1. Demonstrate comprehensive understanding of Botany as an interdisciplinary and multidisciplinary subject
2. Achieve awareness about the evolutionary trends, plant systematic and environmental considerations in pursuit of nature conservation.
3. Understand the relationship between economic growth and importance of indigenous plant resources.
4. Acquire skills, knowledge and competencies to take up research projects for nature conservation and exploration.

Criteria for Admission

- a) Criteria for admission in MSc Botany Programme:
 - i. BSc (majors in Botany with at least 2nd division) from the formal education system.
 - ii. Candidates having BS in Agriculture (with at least 2nd Div) in either public or private sectors as Teachers, Biodiversity
- b) Foreign degree holders will need to produce equivalence certificate from HEC for admission in MSc.

Guideline for Online Application:

1. The online application form can be accessed from university official website www.aiou.edu.pk
2. Applicants are required to fill all the desired fields on online application form.
3. Applicants are desired to deposit application fee on the prescribed challan form in specified banks.
4. The challan number after fee submission should be entered in online application form for successful completion.
5. Incomplete forms shall not be entertained.

The Chairperson

**Department of Biology and Environmental Science,
Research Complex, AIOU, Sector H-8, Islamabad**

1. Selection of candidates will be made strictly on the basis of merit and as per policy of the AIOU.
2. Only selected candidates will be required to pay their fee/dues by the prescribed dates.
3. The deposited fee will not be refundable or adjustable for future admission.
4. The document showing fee deposit must be provided in the office of Incharge, Department of Biology, AIOU, H-8, Islamabad on or before the last date for the fee deposition
5. In case of non-compliance, it will be assumed that fee has not been deposited and the student is not any more interested in getting admission. The department may invite a candidate in waiting list for admission against the vacant seat.

Registration for Courses

The selected candidates must register for the courses offered in a semester by the prescribed date.

Degree Requirement

In order to become eligible for the award of degree in MSc. (Botany) the students must earn a total of 66 credit hours (including six credit hours for research project) or as specified by the department.

Duration and Structure

The minimum duration of Master Programme in Botany will be two years comprising four semesters. Failing which, a student can be given an extension of 2 years in maximum after the completion of the initial period.

Medium of Instruction

The medium of course material, assignments, workshops as well as presentation would be English for all the courses of this programme.

The Study System

Mode of instruction for programme will be face to face teaching, incorporating regular classes, continuous assessment (assignments, tests, quizzes, presentations), practical / lab work and the final assessment (final examination).

Class / Lectures

In this programme, face to face theory classes of one-hour duration per week for each credit hour will be held at the campus. As per AIOU rules, a minimum attendance of 70% is required in class to appear in final examination.

Lab Work / Practical work

For each laboratory course in a semester a workshop of 4-7 days duration depending upon the number of practicals will be arranged during the semester at AIOU campus, Islamabad.

The Assessment System

For each course the student's progress will be assessed as follows:

a) Continuous Assessment

- During the semester, the performance of students will be assessed through two assignments (200 marks) for Non-Practical Courses.
- During the semester, the performance of students will be assessed through two assignments (200 marks) and practical work (100 marks) ***for courses with Lab Work.***

b) Final Examination

A three-hour written examination for each course will take place at the end of the semester.

c) Project / Thesis

Student will choose topics for research after consultation with the faculty members of the department. Evaluation of the project will be based on the presentation of the project (30%) and project report (70%). Project report will be evaluated at department level.

d) Final Evaluation

For working out the final course grade the marks of Assignments and Final Examination will be calculated in the ratio of 30:70 for these programmes as per AIOU policy. Students have to secure at least 50% marks in assignments and at least 50% marks in Final Examination individually as well as 50% marks in aggregate to pass the course as approved for other equivalent programmes.

SEMESTER WISE DISTRIBUTION OF COURSES
(Total Credit Hours 66)

1st Semester

S. #	Code	Course	Cr. Hrs.
1	7401	Diversity of Vascular Plants	3(2+1)
2	7402	Plant Anatomy	3(2+1)
3	7403	Phycology and Bryology	3
4	7404	Bacteriology and Virology	3(2+1)
5	4481	Introductory Biochemistry	4(3+1)
Total Credit			16

2nd Semester

1	7405	Plant Ecology -I	3 (2+1)
2	7406	Plant Physiology - I	3 (2+1)
3	7408	Mycology and Plant Pathology	3 (2+1)
4	7410	Plant Systematic	3(2+1)
5	7407	Plant Biochemistry	3
Total Credit			15

3rd Semester

1	7409	Plant Ecology -II	3 (2+1)
2	4419	Molecular Biology	4 (3+1)
3	7411	Plant Physiology - II	3 (2+1)
4	7412	Genetics - I	3
5	4482	Biostatistics	3
6	7413	Scientific Research	3
Total Credit			19

4th Semester

1	Research Project	6	4418
2	Genetics - II	3	7414
3	Ethonobotany	3	4439
4	Environmental Biology	4 (3+1)	4446
Total Credit		16	

Special Courses (Research Project Replacement for Selected Students)

1	7417	Biological Safety: Principles & Applications	03
2	7488	Laboratory Techniques & Instrumentation	03

Fee for 1st Semester

Programme Registration fee	Rs.200/-
Admission fee	Rs.700/-
Technology fee (per semester)	Rs.135/-
Per 3 (2+1) credit hours course fee: Rs.5365/- 5365×3=	Rs.16095/-
Per 4 (3+1) credit hours course fee: Rs.6440/-	Rs.6440/-
Per 3 (3+0) credit hours course fee: Rs.3235/-	Rs.3235/-
Total	Rs.26,805/-

All students are required to pay full fee in advance as prescribed at the beginning of each semester. The university reserves the right to revise the fee structure or add any fee considered appropriate at any time during the study period. All such changes will be applicable to all students.

FACULTY MEMBERS

1. **Dr. Hina Fatimah**
In Charge
Department of Biology and Environmental Science,
Ph. 051-9057279
2. **Dr. Muhammad Waseem**
Assistant Professor
Ph. 051-9057267
3. **Dr. Zahid Ullah**
Assistant Professor
Ph. 051-9057735
4. **Dr. Rizwana Kausar**
Assistant Professor
Ph. 051-9057293
5. **Ms. Saba Farooq**
Lecturer
Ph. 051-9057730
6. **Ms. Samar Naseer**
Lecturer
Ph. 051-9057185
7. **Ms. Zaib un Nisa**
Research Associate
Ph: 051-9057688
8. **Ms. Sadia Latif**
Research Associate
Ph: 051-9057185

DEPARTMENT OF CHEMISTRY

Introduction:

Department of Chemistry is a major department of the Faculty of Science. It was established in 1998 to offer postgraduate programmes in Chemistry. In the beginning only MSc programme was started, which was later extended to include MPhil and PhD programmes. These programmes have attracted teachers, employees of research organizations, industry and fresh graduates who found an opportunity to improve their qualifications. The faculty of the department comprises of one Professor, four Associate Professors, one Assistant Professor and four Lecturers. In addition, the department also uses services of experienced professors as visiting faculty.

The department is situated in Research Complex on the main campus where it occupies the ground floor and a portion of the lower floor. With the expansion of lab facilities, the department has extended its academic activities by launching the BS programme from Spring, 2009. BS programme is visualized in the new scheme of higher education as a fundamental step in improving the standard of graduate and postgraduate studies.

The study programmes in chemistry have been developed by the Faculty according to the guidelines provided by the Higher Education Commission (HEC). Necessary changes have been effected to suit our students, without deviating fundamentally from the principles set by the HEC. The Committee of Courses of the department comprising distinguished professors and scientists of the country thoroughly screened the proposed syllabi.

Chemistry is an experimental science. Students learn basic techniques in the labs. Therefore, it is essential to provide best lab facilities to students of various levels. The chemistry department takes pride in offering the most modern lab facilities in the country to its students in all branches of chemistry. Its research labs are equipped with CHNS Analyzer, Thermal Analyzer, UV-Visible, Fluorescence and FTIR Spectrophotometer, GC-MS, Flash Column Chromatography and HPLC units, Atomic Absorption Spectrometer and Electrochemical System. Teaching labs are well equipped with routine apparatus and basic instruments. These lab facilities make us one of the leading teaching and research departments of the country.

The department believes in the “Opportunity of Education to All”. Therefore, it has modeled its academic programmes to suit in-service teachers, employees of research organizations, industry and students who could not afford formal education for some reason. The department firmly believes in the promotion of chemistry as a science and in maintaining the highest standards.

Objectives:

- To promote chemistry as a science and to provide opportunity to those who could not educate themselves in formal system of education for one reason or another.
- To provide opportunities of professional growth to all those chemistry graduates who are working as technical staff in research organizations.
- To update the knowledge of in-service chemistry teachers.

MSc CHEMISTRY

a) Introduction:

The M.Sc. programme in chemistry was launched in spring 2003 by the department. It was an outcome of the realization that there are many groups of students who wish to improve their qualifications, but facilities are not available to them in the country. Among them are in-service teachers, industrial workers, employees of research organizations and many of those fresh graduates who could not get admission in national universities or who took up jobs to serve their families. Thus it is an important human resource development programme of national importance, which contributes to development of job skill.

The duration of the MSc programme is of two years. An academic year consists of two semesters termed as spring and autumn semesters. Admissions are offered in the spring semester. Each year the department admits 25 students through a process based on previous academic record and interview. Classes are held in the evening and lab courses are covered in workshops. The department follows chemistry curricula as recommended by the HEC.

To date fifteen batches of MSc students have passed out. Successful students are serving in research organizations, colleges, universities and industry. Some students have also been selected by the HEC for scholarship to pursue higher studies leading to PhD.

b) Objectives:

The MSc programme in chemistry is designed for those who cannot benefit from formal education. It fulfils and meets several objectives:

- i. To provide advance training to those who are working in national institutions (schools, colleges, research organizations, industry).
- ii. To contribute to national effort in human resource development through its unique programme.
- iii. To provide postgraduate training facilities in chemistry to graduates who were deprived from admission in other national universities.

c) Eligibility:

A person holding BSc or BS Ed degree (at least 2nd division with 45% marks) with Chemistry as one of the major subject is eligible to apply for admission, however as seats are limited, admission will be on merit, for further details visit University website www.aiou.edu.pk

d) Scheme of Studies:

At present this programme is being offered in Islamabad region only.

The MSc programme is of two years duration, split into four semesters. In the first two semesters, the core courses will be taught. The specialized courses will be dealt in the third and fourth semesters. Now, the Department is offering specialization in Organic, Inorganic/Analytical and Physical Chemistry.

SEMESTER WISE COURSE OFFERING

The programme consists of 64 credits which can be completed within a minimum period of two years.

1st Semester

Course Title	Code	Credit Hours
Analytical Chemistry-I	2573	3 (3+0)
Physical Chemistry-I	2575	3 (3+0)
Organic Chemistry-I	2576	3 (3+0)
Inorganic Chemistry-I	2577	3 (3+0)
Mathematics for Chemists	2594	2 (2+0)
Chemistry Lab-I	2595	4 (0+4)

2nd Semester

Analytical Chemistry-II	2574	3 (3+0)
Physical Chemistry-II	2580	3 (3+0)
Organic Chemistry-II	2581	3 (3+0)
Inorganic Chemistry-II	2582	3 (3+0)
Chemistry Lab-II	2596	4 (0+4)

SPECIALIZATION IN ORGANIC CHEMISTRY**3rd Semester**

Heterocyclic Chemistry	2585	3 (3+0)
Stereochemistry of Organic Compounds	2586	3 (3+0)
Spectroscopic Methods in Organic Chemistry	2589	3 (3+0)
Advanced Organic Chemistry Lab-I	2597	3 (0+3)
Advanced Organic Chemistry Lab-II	2598	3 (0+3)

4th Semester		
Chemistry of Natural Products	2587	3 (3+0)
Special Organic Reactions	2590	3 (3+0)
Organic Synthesis	2591	3 (3+0)
Advanced Organic Chemistry Lab-III	2537	3 (0+3)
Advanced Organic Chemistry Lab-IV	2538	3(0+3)

SPECIALIAZATION IN INORGANIC / ANALYTICAL CHEMISTRY		
3rd Semester		
Coordination Chemistry	2539	3(3+0)
Non-Spectroscopic Instrumental Methods of Analysis	2540	3(3+0)
Basic Instrumental Methods of Analysis	2541	3(3+0)
Advanced Inorganic Chemistry Lab-1	2542	3(0+3)
Advanced Inorganic Chemistry Lab-II	2543	3(0+3)
4th Semester		
Organometallic Chemistry	2544	3(3+0)
Group Theory for Chemist & its Applications	2545	3(3+0)
Advanced Environmental Chemistry	2547	3(3+0)
Advanced Inorganic Chemistry Lab- III	3561	3(0+3)
Advanced Inorganic Chemistry Lab-IV	3562	3(0+3)

SPECIALIAZATION IN PHYSICAL CHEMISTRY		
3rd Semester		
Chemical Kinetics	2548	3 (3+0)
Quantum Chemistry	2549	3 (3+0)
Electrochemistry	2550	3 (3+0)
Advanced Physical Chemistry Lab-1	2568	3 (0+3)
Advanced Physical Chemistry Lab-II	2569	3 (0+3)
4th Semester		
Molecular Spectroscopy	2570	3 (3+0)
Chemical Thermodynamics	2571	3 (3+0)
Surface Chemistry	2599	3 (3+0)
Advanced Physical Chemistry Lab-III	3563	3 (0+3)
Advanced Physical Chemistry Lab-IV	3564	3 (0+3)

Note: Only selected candidates will be informed to deposit the prescribed fee. **(Please do not send any fee with the application form)**

For admission procedure kindly visit website:

www.aiou.edu.pk

Or

Contact at Phone No. 051-9057754, 051-9057755

**Department of Chemistry
University Research Complex
AIU H-8 Islamabad.**

In case your university issues marks sheet on yearly or semester basis, please attach attested copies of all the mark sheets.

You will be required to **bring original degree/detailed marks certificate(s)** for verification at the time of interview. If you fail to do so, your application for admission will be rejected.

e) Fee Tariff:

Course	Rs. 3970/- (for each 3 credit theory course)
Fee	Rs. 3640/- (for each 2 credit theory course)
Practical	Rs. 10440/- (for each 3 credit laboratory course)
Fee	Rs. 13925/- (for each 4 credit laboratory course)

1st Semester

Programme Registration Fee	Rs. 200/-
Admission Fee	Rs. 700/-
Technology Fee (per semester)	Rs. 135/-
Fee for five theory courses	Rs. 19850/-
Fee for laboratory courses	Rs. 13925/-
Total	Rs. 34810/-

f) Instructional Methodology:

Study Material:

Compiled course books will be provided by the University. However, the students are advised to consult other books from the list of recommended books for further reading.

Mode of Teaching:

In this programme theory courses will be taught by face-to-face teaching. For each laboratory course, workshops will be conducted during each semester. A tutorial of three hours duration per week for each 3 credit theory course will be

offered. Tutorial sessions would be compulsory and to appear in the final examination minimum attendance of 70% is required as per AIOU rules.

For each laboratory course in semester I & II, a workshop of 20 working days and for laboratory course in semester-III and IV, a workshop of 30 working days will be arranged during the semester at AIOU campus, Islamabad.

Assessment System

Method of Assessment for Theory Courses

Continuous assessment:

Continuous assessment will be based on assignment(s)/class tests. The pass percentage in assignment/test will be 50%. The weight-age of assignment/test in the final result will be 30%.

Final examination:

Final examination of 100 marks for theory course will be conducted at the end of the semester. The pass percentage in final examination will be 50% and its weight-age in the final result will be 70%.

Method of Assessment for Laboratory Courses:

Assessment for all laboratory courses will be totally based on continuous assessment. As already mentioned, the laboratory courses will be offered in the form of workshops. A specific number of experiments will be conducted in each workshop. Each experiment will be assessed separately, and attendance in these workshops will be compulsory for every student. Minimum required marks to pass each laboratory course will be 50%.

Degree Requirements:

In order to become eligible for the award of degree of MSc Chemistry, student will have to successfully complete all the courses as per AIOU description, within a minimum period of two years (four semesters). Maximum duration for completion of MSc degree is five years (10 semesters).

FACULTY MEMBERS

1. **Prof. Dr. Naghmana Rashid**
Chairperson
Tel: 051-9250081, 051-9057818, 051-9057754
2. **Dr. Uzma Yunus**
Associate Professor
Tel: 051-9057755
3. **Dr. Moazzam H. Bhatti**
Associate Professor
Tel: 051-9057262
4. **Dr. Muhammad Sher**
Associate Professor
Tel: 051-9057198
5. **Dr. Nasima Arshad**
Associate Professor
Tel: 051-9057756
6. **Dr. Muhammad Zaman Ashraf**
Assistant Professor
Tel: 051-9057182
7. **Ms. Mehwash Zia**
Lecturer
Tel: 051-9057252
8. **Dr. Farzana Shaheen**
Lecturer
Ph: 051-9057198
9. **Dr. Iqbal Ahmed**
Lecturer
Ph: 051-9057874
10. **Dr. Eram Jabeen**
Lecturer
Ph: 051-9057414

DEPARTMENT OF MATHEMATICS

Introduction:

The Department of Mathematics has been established in June 2014. In June 2014, the Department of Mathematics & Statistics has been bifurcated as two independent departments. The newly established Department of Mathematics has been shifted from Research Complex, Science Block to Block No.7 and has started functioning over there. Presently the Department is offering courses of Mathematics at Secondary School Certificate (SSC), Higher Secondary School Certificate (HSSC) and Bachelor levels. The Department is offering the following face to face programs at main campus AIOU Islamabad.

- MSc Mathematics
- MPhil Mathematics
- BS Mathematics

These Programs have been designed for the students who can continue their jobs along with their studies in a non-formal system. These will strengthen the mathematical concepts of the candidates and will enhance their logical thinking. These programs cater the needs of information Technology and other sciences disciplines.

In future the Department intends to start PhD Mathematics Programme.

MSc MATHEMATICS PROGRAMME

a) Introduction:

MSc Mathematics program has been designed after consulting syllabus of National and International Universities. This

program is mainly designed to encourage professionals and fresh graduates to enhance their mathematical backgrounds and skills.

b) Objectives:

The objectives of the MSc Mathematics program are:

1. To enhance the qualification of those who could not continue their education after BSc through formal universities.
2. To provide opportunity to in-service persons to improve their qualification.
3. To get quality teachers of Mathematics at all levels.

c) Eligibility:

Candidates having BA/BSc degree with at least second division and a minimum of 45% marks in major Mathematics.

Merit Criteria:

The preference order is given as follows:

- (i) Candidates having BSc degree with at least second division from any HEC recognized institute with Maths A and Maths B with at least 45% marks in Mathematics A or B.
- (ii) Candidates having BSc/BA degree with second division from any HEC recognized institute with General Maths with at least 45% marks.
- (iii) Candidates having professional degrees who have studied Mathematics Courses.
All the admissions will be on merit basis.

Degree Requirements:

For the award of MSc Mathematics degree, the student will have to complete/qualify the 20 courses equivalent to 60 credit hours within a minimum period of four semesters.

Hostel Facility:

The hostel facility is available for both, male and female students of AIOU. Separate fee has to be paid for availing the hostel facility and this facility is subject to availability.

d) Scheme of Studies (Semester-wise Course Offering):

The MSc Mathematics program is of two-years duration. It comprises of four semesters; 60 credit hours. These courses are as follows: In the last semester, the Department will offer 5 optional courses from the given list as per availability of experts.

1st Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	1520	Computer & Scientific Applications C++	3(3+0)
2	1521	Topology	3(3+0)
3	1522	Linear Algebra	3(3+0)
4	1523	Real Analysis-I	3(3+0)
5	1525	Ordinary Differential Equations	3(3+0)

2nd Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	1524	Differential Geometry	3(3+0)
2	1527	Complex Analysis	3(3+0)
3	1528	Group Theory	3(3+0)
4	1529	Analytical Mechanics	3(3+0)
5	1530	Real Analysis-II	3(3+0)

3rd Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	1531	Numerical Methods (Matlab & Mathematics)	3(3+0)
2	1532	Partial Differential Equations	3(3+0)
3	1533	Functional Analysis	3(3+0)
4	1534	Theory of Rings	3(3+0)
5	1538	Mathematical Statistics-I	3(3+0)

4th Semester

Sr. No.	Title of the Course	Credit Hours	Course Code
1	Optional-I	3(3+0)	
2	Optional-II	3(3+0)	
3	Optional-III	3(3+0)	
4	Optional-IV	3(3+0)	
5	Optional-V	3(3+0)	

Total Credit Hours of full program = 60

Optional Courses

Sr. No.	Course Code	Title of the Course	Credit Hours
1	4478	Mathematical Finance-I	3(3+0)
2	4479	Theory of Racks and Quandles	3(3+0)
3	4480	Research Project	3(0+3)
4	1535	Fluid Mechanics	3(3+0)
5	1540	Applied Number Theory	3(3+0)
6	1542	Mathematical Statistics-II	3(3+0)

7	1544	Optimization	3(3+0)
8	1545	Analytical Dynamics	3(3+0)
9	1546	Mathematical Modeling	3(3+0)
10	1547	Graph Theory	3(3+0)
11	1550	Research Report	3(3+0)
12	1537	Operation Research	3(3+0)
13	1539	Combinatorics	3(3+0)
14	1541	Galois Theory	3(3+0)
15	1548	Algebraic Topology	3(3+0)
16	1536	Relativistic Mechanics	3(3+0)
17	9415	History of Mathematics	3(3+0)

e) Fee Tariff:

Registration Fee:	Rs.200/-
Admission Fee:	Rs.700/-
Technology Fee (per semester)	Rs.135/-
Per 3 Credit Hours course fee: Rs.5725/- Rs.5725 x 5=	Rs.28,625/-
1st Semester Total Fee:	Rs.29,660/-

After applying online, the student must submit the printed online admission form along with the AIOU copy of the receipt of (Prospectus Fee Rs. 500/-) in the Department of Mathematics Block No # 07, Main Campus AIOU Islamabad.

f) Instructional Methodology:

Study material:

Books will be provided to the students (soft copy) along with the list of recommended books for further readings. Two assignments for each course will be given.

Mode of Teaching:

For each course, 45 hours face to face teaching at Main Campus Islamabad will be required. The classes will be arranged by the Department at AIOU main campus, Islamabad on weekend basis (Thursday, Friday, Saturday, Sunday) from 2:00 pm onward including about 10–15 days' workshop at the beginning and about 10–15 days at the end of each semester if required. The final schedule of the lectures will be displayed to the students at the start of the classes/ workshop during each semester at AIOU, Islamabad. At least 70% attendance in face to face teaching would be compulsory.

Assignments/Test: (continuous assessment):

Two assignments for each course will be given in a semester for practice only, having no weightage. 30% weightage of the aggregate marks will be given to the sessional tests.

Final Examination:

Final examination will be held at Main Campus, AIOU, Islamabad at the end of each semester, 70% weightage of the aggregate marks will be given to the final exam.

Minimum Passing Marks:

Assignments/Class test (s)	50%
Final Examination	50%
Aggregate	50%

Note: The student has to qualify each component of a course separately.

FACULTY MEMBERS:

1. **Dr. Nasir Rehman**
Associate Professor / Chairman
Ph: 051-9057191, 9250056
2. **Dr. Naqeeb-ur-Rehman**
Assistant Professor
Ph: 051-9057339
3. **Mr. M. Faisal Iqbal**
Lecturer
Ph: 051-9057380
4. **Mr. Muhammad Aatif**
Lecturer
Ph: 051-9057197
5. **Dr. Irfan Mustafa**
Lecturer
Ph: 051-9057155
6. **Ms. Fouzia Rehman**
Research Associate
Ph: 051-9057393
7. **Dr. M Nazam**
Lecturer
Ph: 051-9057734
8. **Staff:**
Department of Mathematics
Ph: 051-9057734

DEPARTMENT OF PHYSICS

Introduction

Excellence in Research Undergraduate, Postgraduate Education Training

The department of Physics was established in March 1998. We are proud to be one of the largest and most prestigious physics departments in the Pakistan with an outstanding reputation for excellence in research, undergraduate and post graduate education. The department offers undergraduate degree programmes, Master level programmes and Doctoral programmes. We have a vibrant research programmes that a broad-based coverage of fundamental and applied Physics. The department of Physics is offering these programmes in collaborations with other institutions actively foster development of new research fields. We have recently established the training programmes for engineers, researchers, scientists and faculty members of public and private universities of industrial partners. We are committed to providing a positive environment that encourages everyone to explore this potential.

Due to the flexibility and advantage of the distance learning system, AIOU has retained the best of the professionals already teaching at post graduate level in different teaching institutions in the country. There is a minimum of 45 hours of face-to-face teaching for each three credit hour course. The students spend 70 to 75 hours in the laboratories for each two credit hour laboratory course.

The courses are designed and developed by well-known experts in the field of physics. The latest available teaching material is written/ compiled in the form of textbooks/ CDs to facilitate the students. Every effort has been made to make these programmes skill oriented and thus job oriented. The degree awarded by AIOU in this discipline is accredited and at par with the other universities.

Aims and Objectives:

1. To promote Physics and to provide opportunity to those who could not educate themselves in formal system of education for one reason or another.
2. To meet the acute shortage of highly qualified manpower in the field of physics by producing skilled teachers and research scientists.
3. To introduce new research areas in Physics.

MSc PHYSICS (B.Sc/BSEd)

a) Introduction:

After the establishment of the department, the first programme launched by this department, in spring 1999 semester, was MSc Physics. This is a two years programme comprising four semesters. The programme was launched keeping in view the fact that many science graduates are forced to start a job after doing BSc due to financial constraints. In fact, not a single university in Pakistan offers MSc in Physics in the evening. For such graduates this programme provides a second opportunity to study. It is for those who could not continue education in formal system along with their jobs. At present the M. Sc programme is being offered at the AIOU main campus

Islamabad. The teaching faculty is highly qualified and experienced. Laboratories are an essential component for teaching of Physics. For this purpose, two well equipped laboratories for General Physics and digital and Computer Hardware Electronics with latest equipment have been set up.

b) Objectives:

The aim of this programme is to provide highly competent scientists and academicians with critical approach, up-to-date knowledge, and skills to carry out research, capable of imparting knowledge and research skills to the next generation.

MSc Physics programme has been particularly designed for the following:

1. Science graduates who are unable to pursue their students in Physics in the conventional system of education.
2. Graduate teachers who want to improve their qualification.
3. Science graduates working in different laboratories, decisions of improving their qualification.

c) Eligibility (for BSc /BSEd Students only):

i) A candidate possessing 2nd division BSc/BSEd degree with Physics & Mathematics combination is eligible to apply for admission. Admissions will be made strictly on merit.

ii) Eligibility (for B.Tech Students only)

Candidates holding B Tech / equivalent with at least second division are eligible to apply for admission in zero semester. The admission will be made strictly on merit. **Qualifying the Departmental Interview is mandatory for admission.** Students are requested to bring all their credentials with them.

d) Scheme of Studies (for BSc/BSEd students only):

Semester-wise Course Offering:

The MSc programme is of two-year duration. It comprises four semesters of 66 credit hours.

1ST Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	751	Mathematical Methods in Physics-I	3(3+0)
2	752	Classical Mechanics and Relativity	3(3+0)
3	2564	Electronics	3(3+0)
4	2551	Atomic & Molecular Physics	3(3+0)
5	766	Laboratory for General Physics	2(2+0)

2nd Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	755	Mathematical Methods in Physics-II	3(3+0)
2	756	Quantum Mechanics-I	3(3+0)
3	765	Electromagnetic Theory-I	3(3+0)
4	2566	Thermal and Statistical Physics	3(3+0)
5	769	Computational Physics	3(3+0)
6	762	Laboratory for Electronics	3(3+0)

3rd Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	2565	Electromagnetic Theory-II	3(3+0)
2	759	Quantum Mechanics-II	3(3+0)
3	761	Solid State Physics-I	3(3+0)
4	758	Lasers and Optics	3(3+0)

5	2553	Digital & Computer Hardware Electronics	3(3+0)
6	2556	Laboratory for Digital & Computer Hardware Electronics	3(3+0)

4th Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	5464	Research Techniques	3(3+0)
2	760	Nuclear Physics	3(3+0)
3	2560	Advanced Digital & Computer Hardware Electronics	3(3+0)
4	2559	Electronic Communication System	3(3+0)
5	2561	Laboratory for Advanced Digital & Computer Hardware Electronics	4(4+0)

MSc PHYSICS (B. Tech)

e) Scheme of Studies (for B Tech Students only)

Zero Semester for Admission in MSc Physics Programme

The department has developed a special offering of Zero Semester for getting admission in MSc Physics programme for the students of B Technical Education (B Tech).

The purpose of this semester will be to accommodate those graduates who did not study Mathematics and Physics at Graduation / BSc level and are not eligible to get admission in MSc Physics. Further they do not get any good opportunities in getting postgraduate studies. After qualifying the zero semester (completing deficiency courses), these graduates will be

eligible for admission in MSc Physics and capable to comprehend MSc Physics level courses at AIOU. The pass students will be admitted in MSc Physics programme.

There would be three theory courses (03 credit hours) and two laboratory course (02 credit hours) in the Zero Semester. After qualifying the zero semester, a separate certificate of pass courses will be issued to the students with the signature of controller examination.

The **Zero Semester** courses along with course codes & fee are as under:

Sr. #	Course Title	Course Code	Fee (Rs.)	Credit Hours
1.	Mathematics for B-Tech	1685	5340/-	03
2.	Physics- I for B-Tech	1686	5340/-	03
3.	Physics-II for B-Tech	1687	5340/-	03
4.	Laboratory-I for Physics	1688	3560/-	02
5.	Laboratory-II for Physics	1689	3560/-	02
6.	Programme Registration Fee		200/-	
7.	Admission Fee		700/-	
8.	Technology Fee (per semester)		135/-	
	Total Fee		24175/-	

Final Examination/ Continuous Assessment:

At the end of zero semester, the University will arrange final three hours written examination in each course. It is imperative to obtain 50% marks in the final examination to pass in each course. The roll number slips and other relevant information related to examination centre will be provided to the students before the examination.

Assessment:

The distribution of continuous assessment and final examination will be as follows:

Assignments (20% test/ quiz/Assignment +10% Attendance)	30 %
Final Examination	70%
Aggregate	50%

Semester-wise Course Offering for B-Tech Students

1st Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	751	Mathematical Methods in Physics-I	3(3+0)
2	752	Classical Mechanics and Relativity	3(3+0)
3	2564	Electronics	3(3+0)
4	2551	Atomic & Molecular Physics	3(3+0)
5	766	Laboratory for General Physics	2(2+0)

2nd Semester

Sr. No.	Course Code	Title of the Course	Credit Hours
1	755	Mathematical Methods in Physics-II	3(3+0)
2	756	Quantum Mechanics-I	3(3+0)
3	765	Electromagnetic Theory-I	3(3+0)
4	2566	Thermal and Statistical Physics	3(3+0)
5	769	Computational Physics	3(3+0)
6	762	Laboratory for Electronics	2(2+0)

3rd Semester

Sr. No.	Title of the Course	Course Code	Credit Hours
1	Electromagnetic Theory-II	2565	3(3+0)
2	Quantum Mechanics-II	759	3(3+0)
3	Solid State Physics-I	761	3(3+0)
4	Lasers & Optics	758	3(3+0)
5	Digital & Computer Hardware Electronics	2553	3(3+0)
6	Laboratory for Digital & Computer Hardware Electronics	2556	3(3+0)

4th Semester

1	Nuclear Physics	760	3(3+0)
2	Advanced Digital & Computer Hardware Electronics	2560	3(3+0)
3	Electronic Communication System	2559	3(3+0)
4	Laboratory for Advanced Digital & Computer Hardware Electronics	2561	4(4+0)
5	Laser of Optics	758	3(3+0)

Degree Requirement:

For the award of MSc (Physics) degree, the students will have to complete the courses offered equivalent to 66 credit hours (22 courses) within a minimum period of four semesters.

f) Fee Tariff: MSc Physics

Programme Registration fee	Rs.200/-
Admission fee	Rs.700/-
Technology fee (per semester)	Rs.135/-
Course fee: (Per 3 credit hours) Rs.5340/- For 5 Course fee: Rs.5340/- ×4=Rs.16800/-	Rs.21360/-
Lab course: per each 2 credit hours course	Rs.3560/-
Total Fee for 1st Semester:	Rs.25955/-
Per Credit Hour Fee	Rs.1780/-

Note: Only selected candidates will be informed individually to deposit the prescribed fee in the AIOU main campus branches on same date of admission.

g) Instructional Methodology:

Allama Iqbal Open University employs media mix as methodology of instruction in which printed material, CDs, face-to-face tutorial support are mixed in accordance with the requirement of the discipline and the level of course. In view of special requirements of post-graduate studies in physics the following methodology of instruction will be followed:

Study Material:

The University will provide reprinted and compiled course books/CDs.

Tutorial Support and Workshops:

Tutorial support for this programme will be in the form of lectures by resource persons in the workshops. A minimum, 45 hours of face to face teaching/guidance for each three credit hour course, will be provided in these tutorials/workshops. Attendance in these sessions is compulsory. Students failing to

attain 70% attendance will not be eligible to appear in the final examination. Each laboratory course comprises a minimum of 75 hours of laboratory courses. Practical work will be supervised and assessed by the practical supervisors/tutor. 80% attendance is compulsory for all the students in the laboratory course. AIOU will not bear any cost regarding TA/DA or boarding/lodging facilities during these workshops.

Assessment:

Student performance is evaluated / assessed as under: Assignment Weightage

(Quiz / Sessional Test / Presentations / Assignments)	20%
Course Workshop with 70% compulsory attendance	10%
Final Paper	70%
Aggregate	50%

At the end of each semester, the university will arrange final examination. The Roll number slips and other relevant information related to examination centers will be provided to the students before the examination. The students who fail in the final examination will be allowed two more chances to reappear in immediate subsequent semester examinations on payment of examination fee.

Admission Procedure:

Only the prescribed admission forms will be entertained. Admission forms (duly filled in) along with the required documents/ testimonials/ marks sheets should be sent to:

Programme Coordinator

MSc Physics Programme, Department of Physics New
Building Ground Floor, Research Complex
AIOU, H-8, Islamabad.

Note: Admissions will be finalized after the test and interview.

FACULTY MEMBERS: (Department of Physics)

1. Prof. Dr. Syed Zafar Ilyas Chairman
Phone # 051-9057728
2. Mr. Ather Hassan
Assistant Professor
Phone # 051-9057214
3. Dr. Surayya Mukhtar
Assistant Professor
Phone # 051-9057184
4. Dr. Tariq Jan
Assistant Professor
Phone # 051-9057214
5. Ms. Hareem Mufti
Lecturer
Phone # 051-9057727
6. Dr. Abdul Jalil
Lecturer
Phone # 051-9057214
7. Ms. Uzma Nosheen
Lecturer
Phone # 051-9057727
8. Ms. Tayaba Aftab
Lecturer
Phone # 051-9057228

9. Mr. Hussain Ahmed
Research Associate
Phone # 051-9057214
10. Mr. Muhammad Imran
Laboratory Assistant
Phone # 051-9057728
11. Ms. Zeba Sultana
UDC
Phone # 051-9057728
12. Muhammad Usman
UDC
Phone # 051-9057728
13. Mr. Amjad Satti
Laboratory Assistant
Phone # 051-9057728
14. Mr. Muhammad Aman
Laboratory Assistant
Phone # 051-9057728
15. Mr. Rashid Mehmood
Lab. Assistant
Phone # 051-9057728
16. Mr. Saeed Murtaza
Lab. Assistant
Phone # 051-9057728

DEPARTMENT OF STATISTICS

Introduction:

The Department of Statistics was established in 1988 in the faculty of Sciences, Allama Iqbal Open University. Since then, the faculty and students have shared a common goal of maturing the Department with sheer hard work and constant struggle. Statistical sciences have significant impact on our lives and are a key to discoveries and innovation. Over the time, with concerted efforts, the Department has grown to its full potential and is vigorously involved in participating towards global efforts of driving a new era of growth, development and productivity. Since, our world is becoming more quantitative and data- focused, job opportunities in statistics are plentiful and projected to increase worldwide. Therefore, the alumni of the department of statistics have been working in various government departments and private sector.

The vision of Department is to impart quality education that focuses on collaborative learning through innovative teaching and research methodologies. It aims to create an environment that enables students to effectively engage in making lasting contributions in diverse fields according to rapidly changing demands of not only the home country but the entire globe. The Department is determined to further develop a state of the art model of learning and research, which will benefit the masses across the board.

Academic Programmes

Department of Statistics offers the following degree programmes. All these programmes are approved by Higher Education Commission, Islamabad.

- PhD Statistics
- MPhil Statistics
- MSc Statistics
- BS (4 years) Statistics

All the courses and programmes are designed to meet the challenging statistical needs in life sciences, information technology, social sciences and other allied disciplines. The course outlines of all level courses have been designed and updated recently after consulting syllabi of national and international universities. It helps to strengthen the statistical concepts and logical thinking among our students.

Presently, these degree programmes are offered at main campus only. However, in near future, the Department also intends to offer degree programmes at regional headquarters.

MSc STATISTICS PROGRAMME

Introduction:

MSc Statistics programme has been designed and updated after consulting syllabus of National and International Universities. This programme is particularly designed for the persons on job as well as for fresh graduates. Our aim is to provide them an opportunity to enhance their statistical thinking which may help in their respective professions or for new jobs seekers.

Aims and Objectives:

The main objectives of MSc Statistics programme are:

1. To enhance the qualification of those who could not continue their education after BA/BSc due to formal system of education.
2. To provide an opportunity to in service persons to improve their qualification and get promotion in their respective departments/institutions.
3. To produce quality teachers of Statistics from school level to university levels.

Eligibility:

Candidates having BA/BSc degree with at least 2nd division or 45% marks from any HEC recognized institute/university along with statistics as a major subject. However, the student having graduate degree without statistics may apply in zero semester of MSc Statistics detail given on **Page 32**.

Merit Criteria:

MSc Statistics is a merit based program. Documents will be scrutinized for eligibility of candidate. After scrutinize of documents, the department will call the eligible applicants for interview. The Departmental Admission Committee will recommend the suitable candidates for MSc Statistics admission on merit basis.

Degree Requirements:

For the award of MSc Statistics degree, the student will have to qualify the 20 courses within a minimum period of four semesters. However, zero semester students will complete his/her MSc Statistics Degree within a minimum period of five semesters with qualifying the 26 courses each of 3 credit hours.

Hostel and Cafeteria Facilities:

These facilities are available for the students of AIOU only. Separate fee has to be paid subject to the availability of food and space in Hostel.

Library and Internet Facilities:

The Library and internet facilities are also available at main Campus AIOU Islamabad and Regional Campuses, AIOU. The Main Library is enriched with latest text & recommended books, e-books & free internet facilities.

The library also has a separate section for blind student. Department of Statistics also has its own computer laboratory equipped with latest software's of Statistics & internet facilities.

Scheme of Studies:

The MSc Statistics programme comprises four semesters. The all courses are compulsory to qualify for the award of MSc Statistics degree. Whereas, the MSc Statistics programme comprises five semesters for zero semester students. The semester wise course offering is as under.

Zero Semester — Spring 2020

Sr. No.	Code	Course Title	Credit Hours
1	457	Business Communication	3(3+0)
2	1417	Statistics-I	3(3+0)
3	1418	Statistics-II	3(3+0)
4	1419	Statistics-III	3(3+0)
5	1420	General Mathematics	3(3+0)
	1431	Basics of Information Communication Technology	3(3+0)

SEMESTER WISE COURSE OFFERING**1st Semester**

Sr. No.	Course Title	Code	Credit Hours
1	Statistical Methods	1551	3(3+0)
2	Sampling Techniques-I	1552	3(3+0)
3	Design & Analysis of Experiments-I	1553	3(3+0)
4	Probability & Probability Distributions-I	1554	3(3+0)
5	Advanced Calculus	1555	3(3+0)

2nd Semester

1	Probability & Probability Distributions-II	1556	3(3+0)
2	Regression Analysis	1557	3(3+0)
3	Sampling Techniques-II	1558	3(3+0)
4	Design & Analysis of Experiments-II	1559	3(3+0)

3rd Semester

1	Mathematical Methods for Statistics	1514	3(3+0)
2	Statistical Inference-Estimation	1561	3(3+0)
3	Econometrics	1562	3(3+0)
4	Total Quality Management	1563	3(3+0)
5	Computer Programming (C & C++)	1564	3(3+0)

4th Semester

1	Non-Parametric Statistics	1513	3(3+0)
2	Mathematical Methods for Statistics	1514	3(3+0)
3	Total Quality Management	1563	3(3+0)
4	Computer Programming (C&C++)	1564	3(3+0)
5	Operations Research	1568	3(3+0)

Total Credit hours for MSc Statistics Programme: 60

Programme Registration Fee:	Rs.200/-
Admission Fee:	Rs.700/-
Technology Fee: (per semester)	Rs.135-
Per 3 credit hours course fee: Rs.5725/- (Rs.5725×5)	Rs.28625/-
Total fee for 1st Semester	Rs.29660/-

Note: Fee cannot be refunded or adjusted after dispatch of study material.

Only selected/recommended candidates would be required to deposit the fee.

Instructional Methodology:

Face to Face teaching (Tutorials):

For each course, 45 hours face to face teaching support will be provided to the students. The final schedule of the lectures will be distributed to the students in consultation with the teachers (resource persons). The classes will be supplemented by the computers where required. 70% attendance in face to face teaching would be compulsory.

Weekend Classes/Workshops:

The classes will be arranged on weekends at Main Campus, AIOU, Islamabad only. The introductory workshop and end semester workshop may be arranged at the beginning and at the end of each semester (if necessary).

Continuous Assessment:

- Two home-assignments for each course will be given to the students.

- Two sessional exams as a continuous assessment for each course will be conducted and 50% qualifying marks in sessional exam is mandatory to appear in final examination.
- If a student will have less than 50% marks in sessional tests. The student has to enroll in this course freshly with new fee.
- 30% weightage of sessional tests marks (100) will be included in conflated marks.

Final Examination:

Final Examination will be held at the end of each semester. 70% weightage will be given to the final examination marks.

Passing percentage:

Assignments/Sessional tests	Final Examination	Aggregate
50%	50%	50%

Note: The student will have to pass each component separately to pass a course. However, sessional tests must pass before to appear in the final examination.

SPECIAL OFFERING OF ZERO SEMESTER FOR ADMISSION IN MSc STATISTICS PROGRAMME

The Department is offering a zero semester for those **graduates** who did not study the statistics subject as a major course at graduation level and are not eligible for admission in MSc Statistics.

Initially, such graduates will enroll in zero semester to study the following six courses each of 3 credit hours and then these students will be capable to comprehend MSc Statistics level courses at AIOU.

Zero Semester courses, codes and fee are as under:

Course Title	Code	Fee Rs.)
Basics of Information & Communication Technology (ODL)	1431	970/-
Business Communications (ODL)	457	510/-
General Mathematics	1420	5725/-
Statistics-I	1417	5725/-
Statistics-II	1418	5725/-
Statistics-III	1419	5725/-
Programme Registration Fee:		200/-
Admission Fee:		700/-
Technology Fee (per semester)		135/-
Total zero semester Fee		25415/-

The 45 hours teaching of each course at serial # 3, 4, 5 & 6 will be held in the department of statistics, Main Campus AIOU, Islamabad on weekend basis. However, the workshop of 10-15 days may be arranged to facilitate the students. The courses at serial # 1, 2 will be offered on open distance learning (ODL) mode as per AIOU rule.

Applying Procedure for admission in MSc Statistics/Zero Semester

- ❖ **Step-1:** First of all register yourself on AIOU website and remember user name and password for future contact to AIOU.
- ❖ **Step-2:** Select your programme, semester and generate a dully filled admission form and challan form for fee deposit only mentioned banks.
- ❖ **Step-3:** Post/Submit by hand the stamped Bank Fee receipt and/admission form on the following address.

Chairman,
Department of Statistics,
Lower Ground Floor, Science Block Sector H-8,
AIOU, Islamabad
Ph. No. 051-9057266, 9250062
Email: statistics@aiou.edu.pk

FACULTY MEMBERS

- 1. Prof. Dr. Irshad Ahmad Arshad**
 Chairman
 Ph: 051-9057163, 9250062
 Email: irshad.ahmad@aiou.edu.pk
- 2. Dr. Muhammad Zakria**
 Associate Professor Ph: 051-9057372
 Email: zakria@aiou.edu.pk
- 3. Dr. Zahid Iqbal**
 Associate Professor Ph: 051-9057446
 Email: zahid.iqbal@aiou.edu.pk
- 4. Dr. Tauqir Ahmed Mughal**
 Assistant Professor Ph: 051-9057209
 Email: tauqirahmed1@outlook.com
- 5. Dr. Muhammad Yameen Danish**
 Lecturer
 Ph: 051-9057266
 Email: yameen.danish@aiou.edu.pk
- 6. Mr. Muhammad Sadil Ali**
 Research Assistant
 Email: sadil.ali@aiou.edu.pk
- 7. Staff Phone:**
 Ph: 051-9057266

MSc IN TELEVISION PRODUCTION

Introduction:

Mass Communication is a growing phenomenon with greater public interest. The introduction of high tech has revolutionized the field of mass communication. Media have great influence on viewers' daily lives. The proliferation of television channels have transformed the social landscape of the society and have added to the accessibility of information at large which helped in enhancing awareness amongst the masses on important social and political issues globally.

In Pakistan, the situation is not different; there is a rapid growth of media channels. The liberal media policy for the last five to ten years has turned the media industry into mushroom growth of private television in the country. Currently, skilled manpower is the main requirement for the growing media industry in Pakistan. The growth and development of this robust industry largely depends on the capacity to produce trained professionals.

In this scenario, there is a serious need to have media based educational training at a university level to tailor with the market needs and equip students with requisite academic expertise and professional skills of the television industry.

Objectives of the Programme:

The main objectives of the programme are:

1. to provide students with an advanced knowledge of, and critical awareness regarding, concepts and theoretical approaches in the study of television production.
2. to develop an understanding of the history, structures and current practices of the television industry, including the primary genres, and the critical skills to present analysis and evaluation in written and spoken forms.

3. to enable students to explore and reflect on the practical implications of working in television broadcasting
4. to build an understanding of appropriate methodologies for further research in television.

Learning outcomes:

The programme will be taught with the help of qualified faculties and practitioners from the media industry with the intention of providing students with an education that equips them with the appropriate knowledge and skills required of TV industry. The degree has considerable technical support in the form of experts from TV industry for programmes production, editing, writing and presentation; and conceptual explanation in the form of intensive, scholastic and thematic lectures with the help of experienced and qualified faculty.

The learning outcomes of the students will be:

1. In a position to handle any type of visual communication including news, documentaries, dramas, music videos, interviews, talk shows, and educational programmes.
2. Equipped with the requisite skills of all major aspects of video production such as direction, set design, camera work and editing.
3. Able to develop skills, judgment and confidence in each production related phases.
4. Able to critically evaluate video production.

Target Audience

1. Fresh graduate students, who are willing to adopt electronic media as profession e.g. as programme director/ writer/ cameraman or in any other capacity.
2. The persons, who are already working in this field and want to improve their skills, can also take benefits from this course.

Industrial Need

There are 70+working television channels and about the same numbers are in process. Furthermore, there are a large number of production houses actively producing programme for the running channels in the country. It is presumed that more than 5000 persons are attached with this profession, but they are not in position to meet the day to day targets, which are also increasing day by day. Catering to the need of this demand, it is the foremost priority of TV channels to increase the number of human resource. But on the other hand, there is shortage of properly educated persons in this field. As there are no proper institutions in the Islamabad/Rawalpindi and the PTV Academy is busy in training its own staff. Therefore, university like AIOU can lead in building professional manpower in the field of TV Broadcasting. Keeping in view the above mentioned facts, we are confident to have large number of students for TV Production programme.

Significance of the Programme

The significance of training in television has increased manifolds throughout the world and also in Pakistan. Other universities in the country have already taken the initiative to offer the Master's programme in television broadcasting. They got their Radio and TV studios built with the help of HEC. Allama Iqbal Open University is lucky enough to already have state of the art TV studios. The recently constructed multipurpose building for Radio/TV studios in AIOU with the help of HEC has also one of its specific objectives to impart practical training to Mass Communication students. Recognizing the serious dearth of skilled manpower in the television industry in Pakistan, the Department of Mass Communication intends to offer a full-fledged face to face Master's Programme in Television Production. The Programme will equip students with requisite academic knowledge and professional expertise.

Faculty

Highly qualified faculty, experienced professionals and Guest speakers with particular expertise in the field of TV profession will be the feature of this degree programme. Qualified senior faculty with vast relevant teaching and research experience will be engaged for knowledge dissemination and construction. The technical aspects of the Programme will be taught by renowned experts in the field of television broadcasting for imparting practical skills.

Teaching Methodology

The programme will be taught on face to face mode in the Mass Communication Department at AIOU Islamabad.

The programme is a blend of theory and practice. The practical work will be carried out under supervision of experience professionals in the state of the art studio and the theory will be thought by the senior professors in high tech class rooms. Special arrangement has been made for the field visits of student learning activities with the help of sophisticated TV production equipment.

Students Visit to Industry

Visits of students to TV channels will be a regular aspect. The degree will insist throughout on flexible skills – team working, adaptability, independent-working – which will be required in further career development.

Seminar

There will be 3-credit hrs Media Seminar which will provide students with opportunity to interact with relevant experts regarding different communication issues. In the seminar, students will present their papers prepared in consultation with their teachers. Students' presentation of paper is mandatory. The papers will be followed by the discussions. Each day, the

seminar will be presided over by an expert of the area or the teacher concerned. Students can also present a review/critique on in the seminar. 80% attendance of student is mandatory.

1st Semester

S. No.	Course Code	Course Title	Credit Hours
1	6641	Evolution of Television	3
2	6642	Process and Effects of Communication	3
3	6643	TV Camera Operation	3
4	6644	TV Script Writing	3
5	6645	Television and Society	3
Total Credit Hours			15

Research Project/Thesis

Students will be required to do mandatory Research Project/Thesis of 3-credit hrs under the supervision of a qualified advisor. There will be an intensive Synopsis orientation workshop for selection of a research topic and synopsis writing in the 4th semester. Research Project/Thesis will be evaluated by an external expert. Student will also appear before a viva-voce committee to defend his/her thesis.

Internship

A two-month internship in a professionally accredited TV Channels or Production houses is a prerequisite for the degree. Students will be required to submit an internship report detailing with proof, the work done during the two-month internship period and duly signed by the competent authority

of organization where the student is working as an internee. There will be viva-voce examination of the students regarding his/her performance in the internship. Performance of the students will be evaluated on the basis of Internship Report and performance in viva voce examination (maximum marks 50+50=100).

Overall Structure of the Programme

This scheme of Media Studies is a full time masters programme, to be studied over a period of two years. To complete the programme successfully, students must gain a total of 60-credit hour courses and practical work. Details of the programme structure are as below:

Semester Wise Courses Offering 1st Semester

2nd Semester

S. No.	Course Code	Course Title	Credit Hours
1	6646	TV Programme Production	3
2	6603	Media Laws and Ethics	3
3	6647	TV Studios and Floor Management	3
4	6658	Theories of Communication	3
5	6648	Television Lighting System	3
Total Credit Hours			15

3rd Semester

1	6649	TV News Production & Presentation	3
2	6650	TV Documentary	3
3	6651	TV and Globalization	3
4	6652	TV Set Designing	3
5	6653	Television programme Analysis (Seminar)	3
Total Credit Hours			15

4th Semester

1	Post production process	6654	3
2	TV Sound System	6655	3
3	Media Research Methods in Mass Media	5629	3
4	Research project/Thesis	6656	3
5	Internship	6657	3
Total Credit Hours			15

Scheme of Studies

- Total numbers of Credit hours Courses: 60
- Duration: 2 years
- Semester duration: 16 weeks
- Total Semesters: 4
- Number of courses per semester: 5

Assessment

Students will be assessed through, assignments, quizzes, seminar, lass discussion, projects, exams, internship, and thesis's viva-voce, and internship.

Eligibility for Admission

14-years of education
No third division in the Bachelor Degree
Preference will be given to: a. Journalistic experience (working in TV industry as mid level Journalists) b. Relevant Courses studied at Bachelor degree
Admission will be given on merit after qualifying aptitude test & interview

Class Timings: 4.00 p.m. to 7.00 p.m. Saturday and Sunday will be off

Fee Tariff:

Registration Fee: (at 1 st admission in University)	Rs.200/-
Admission Fee: (at 1 st admission in Programme)	Rs.700/-
Technology Fee+courier charges (in each semester)	Rs.135/-
Per 3 credit hours course fee Rs.8820/- Rs.8820×5=	Rs.44100/-
Total fee for 1st Semester	Rs.45135/-

Admission Procedure

- Admission to MSc Television Production will be granted strictly on the basis of merit. Seats are limited.
- Only prescribed printed admission forms will be entertained. Photocopy of the forms will not be accepted. Incomplete forms and forms received after due date will not be entertained in any case.
- The candidates are required to send complete admission form alongwith attested copies of all the relevant documents, specially educational certificates, domicile, detailed marks certificate of BA level etc. at the following address before the closing date mentioned in the advertisement. There is no need to attach irrelevant documents like NCC, computer courses, extra qualification degrees etc.

The Chairman
Department of Mass Communication
Allama Iqbal Open University, H-8, Islamabad.
Phone: 051-9250076

Only selected candidates will be informed by the Admission Department to deposit the fee. The continuing students will have to apply for admission in the falling semester on the computerized admission form to be provided by the university without waiting for their exams or result. If a student does not receive the computerized form, he/she is advised to use new admission form and submit it within due date on the address given in the form.

Note: This programme will be offered only in Islamabad.

FACULTY MEMBERS

1. **Dr. Saqib Riaz**
Chairman
Post Doc (USA) PhD (Pak)
MPhil Mass Communication
MA Mass Communication (Punjab University)
Diploma in Journalism (Germany)
Ph: 051-9250076
2. **Dr. Bakht Rawan**
Associate Professor PhD (Germany)
MPhil, Mass Communication (AIOU)
MSc Journalism & Mass Communication
(Gomal University) Ph: 051-9057263
3. **Mrs. Saadia Anwar Pasha**
Assistant Professor
MPhil Mass Communication
Ph: 051-9057283

4. **Dr. Shahid Hussain**
PhD Mass Communication
Assistant Professor
Ph. 051-9057245
5. **Dr. Babar Hussain Shah**
PhD Media Studies Lecturer
Ph. 051-9057687
6. **Dr. Asad Munir**
PhD Media Studies Lecturer
Ph: 051-9057172

Being Chairman of the Department I am hopeful that you will enjoy this programme with the luxury of highly qualified professors and experienced professionals from the field. The programme is based on latest curricula and state of the art hi-tech studio for learning practical skills. This programme is offered for first time in its nature in a public university which has been designed to fulfill the needs of the booming Television industry in the country. I am confident that the programme will provide swift job opportunity for the degree holders and the employers will feel gratified from the students with working knowledge and critical approach in the field. I look forward to warm welcoming you in the Department for your meaningful and job-oriented learning.

Dr. Saqib Riaz
Chairman
Department of Mass Communication
AIOU, Islamabad

GENERAL INFORMATION

- i- The certificates/degrees of AIOU are equivalent to any other recognized Board/University.
- ii- A candidate is required to send complete admission form along with attested copies of all educational and experience certificates to Department as mentioned in the prospectus before or on the closing date.
- iii- If an applicant of post-graduate/research level programme does not receive any information regarding admission within three months from submission of application, he/she should presume non-selected.
- iv- A course taken by any student cannot be change during the semester. However, in real hardship cases, the change in courses will be allowed within fifteen days after receipt of books and deposit of prescribed fee.
- v- The address of a student will not be changed during the semester.
- vi- Admission to courses for both the Spring and Autumn semesters are generally offered in the months of February and August, respectively, whereas, examinations commenced in November and May respectively. The continuing students are sent computerized admission forms. However, if for any reason, the student could not get the said form, he/she may purchase admission from any Regional Office of the university or download from AIOU website and send it to the University within due date.
- vii- Fee cannot be refunded once paid for admission nor can it be adjusted for any other programme
- viii- On payment of the registration fee, each student will be issued a registration number. This number must be quoted in all the future correspondence along with the roll number, course(s), code numbers and semester.
- ix- Study material shall be mailed to the students at their given addresses.
- x- After receipt of the study package, students are usually intimated about the part time tutors for each course for tutorial guidance within fifteen days. If you do not get information about tutors, you are required to send your assignment by registered post to the concerned Regional Director, Assistant Regional Director without delay; you are also required to retain a photocopy of all your assignments.
- xi- Rules and regulations framed, enhanced and changed from time to time by the authorities, bodies of the university will be effective as deemed necessary. The student will have to abide by all such rules and regulations from the date of their implementation.
- xii- A student who fails in continuous assessment component is not eligible to reappear but will be allowed to re-register for the same course at its next offering semester by the university.
- xiii- It is the responsibility of the student to remain in touch with the department regarding the selected programme.

- xiv- A student already admitted to a programme or a specialization of a programme shall not be allowed to transfer or to get admission to another programme unless he/she formally postpones it till the completion of the new programme or withdraws from the previous programme.
- xv- After completion of a programme successfully, a student has to apply to Controller of Examinations for issuance of certificate/degree.
- xvi- The university reserves the right to change the contents of this prospectus without any prior notice as per university policy.
- xvii- The student must inform the Admission Department in writing within the period of 15 days after receipt of study material parcel, *if found any wrong/short of material/ books which is not according to the admission form/ check list or mistake in name and address*. No request for any change will be entertained after the stipulated period.
- xviii- Check the books and tally with the course codes mentioned on the address label pasted on the registered packet. If there is any discrepancy, write immediately to Admission Deptt for correction/ supply of requisite books.
- xix- Admission forms incomplete in any respect will not be entertained and will be returned after close of semester to the students indicating the deficiency in clear terms with advise to request for refund of fee.
- xx- Admission form received without prescribed fee less fee or fee deposited after due date will not be considered.

- xxi- In case of discrepancies in the name of student/ Father's name of the student or difference in name mentioned in his/her other educational certificates, the name on the Matric certificate of the student will be considered as correct name. The Examination Department shall also issue certificate/ degree on the said name.
- xxii- In case provision of forged documents for admission, not only the admission will be refused to the applicant but the fee deposited by him/her will also be forfeited. The university may proceed further in the matter.

PROCEDURE FOR DEPOSITING FEE

- Eligible candidates for (OPEN MERIT PROGRAMMES) are required to deposit fee along with admission forms in any branch of the following banks:

United Bank Limited (2) MCB Bank (3) First Women Bank (4) Allied Bank Limited

- The applicant can deposit fee through bank challan, attached with admission form, to any approved branch.
- The bank will issue a receipt of depositing admission form and fee.

Note: Beware that University has not authorized any person or private institute to collect payment/forms. All the students are instructed to deposit fee by themselves in designated bank branches. In case of any discrepancy in admission fee/admission form the University will not be responsible and the student will have to face the consequences.

REGULATIONS FOR REFUND OF ADMISSION FEE

Admission fee once deposited by the candidates/ students in the university account will neither be refunded nor converted/adjusted as a matter of right. However, fee paid by the candidates/students will be settled in the following cases:

- i- The candidates/ students who deposit the fee for a programme and later on change their mind to apply in another programme and communicate their decision in black and white to the admission section before dispatch of study material in such cases, fee will be refunded to them after deduction of 10% of the total amount deposited.
- ii- The candidates/ students who discontinue the programme/ courses(s) after dispatch of books, neither their admission will be cancelled nor fee will be refunded to them.
- iii- The candidates/ students who are not allowed admission to a programme offered by the university due to less enrolment/ non formation of viable group/ non offering of courses, full fee will be refunded to them.
- iv- The candidates/ students who know that they are ineligible for admission to a programme, and even then they deposit the fee, in such cases, the fee will be refunded after the deduction of 25% as services charges from the total amount.

- v- The amount deposited by the candidates/ student in excess (more than the prescribed fee) will be refunded/ adjusted within a year.
- vi- Cases of refund of admission fee will be processed after finalization/ completion of admission of the semester and only on the production of original Bank Challan/Receipt No. 3 & 4.
- vii- If candidates/ students deceive the university and get admission in two different programmes simultaneously in a semester admission will be cancelled in both the programmes and the fee deposited for both the programmes will be forfeited.

IMPORTANT TELEPHONE NUMBERS

Sr.#	Name	Telephone Nos.
1.	Director Admissions	051-9250043 051-9250162 (Fax)
2.	Additional Registrar (Mailing)	051-9250185
3.	Controller of Examinations	051-9250012
4.	Director Students Affairs	051-9250174
5.	Assistant Registrar (Postgraduate)	051-9057422

ADDRESS OF PART-TIME REGIONAL COORDINATORS

PUNJAB

1.	Mr. Mukhtar Ahmad Awan, Regional Coordinator, Allama Iqbal Open University, SS, Govt. Boys Higher Secondary School, Hassanabdal. 0312-5609715	2.	Mr. Muhammad Miskeen, Regional Coordinator, Allama Iqbal Open University, Sr. Headmaster, Govt. Boys High School No.2, Fateh Jang. 0300-5273227	3.	Mr. Safdar Khan, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. Boys Degree College Hazro. 0300-5609260
4.	Hafiz Abdul Ghaffar, Regional Coordinator, Allama Iqbal Open University, Asstt. Prof. Govt. Boys Degree College, Pindi Gheb. 0333-9535710	5.	Mr. Muhammad Saeed, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Boys Higher Secondary School Danda Shah Belawal, Lawa. 0333-5928107	6.	Raja Muhammad Akhtar Khan, Regional Coordinator, Allama Iqbal Open University, Principal, Allama Iqbal Junior Public School, Choa Saidan Shah. 0346-5783355
7.	Mr. Muhammad Javid Regional Coordinator, Allama Iqbal Open University, SSS, Govt. Higher Secondary School, Kallar Kahar. 0333-5904962	8.	Mr. Muhammad Arif Khan, Regional Coordinator, Allama Iqbal Open University, Sr. Headmaster, Govt. Boys High School, No.2, Talagang. 0331-4855113	9.	Mr. Ghulam Murtaza Satti, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Higher Secondary School Malot Sattian, Tehsil Kotli Satian, Distract Rawalpindi. 0346-5429130
10.	Ch. Muhammad Ashraf, Regional Coordinator, Allama Iqbal Open University, Street No. 10, Mohallah Mission Compound, Mehmada Raod, Gujrat. 0332-7144828	11.	Mr. Arshad Mahmood Shahid, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Boys Degree College, Sara-e-Alamghir. 0333-5841544	12.	Syed Mukhtar Hussain Bukhari, Regional Coordinator, Allama Iqbal Open University, Assistant Professor, Govt. College, Bhakkar. 0333-8909805
13.	Dr. Tariq Majeed, Regional Coordinator, Allama Iqbal Open University, Professor, Govt. Islamia College, Chiniot. 0333-6715262	14.	Mr. Muhammad Sharif, Regional Coordinator, Allama Iqbal Open University, SST (R), Ward No.16, Street No.4, Nowan Sher, Shorkot City. 0301-7205704	15.	Mr. Khalil Ahmad, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Postgraduate College Khanewal. 0301-7817130

16.	Mr. Muhammad Aslam Farooqi, Regional Coordinator, Allama Iqbal Open University, Assistant Prof. Govt. Degree College Jalalpu Pirwala. 0301-5227173	17.	Mr. Sikandar Hayat, Regional Coordinator, Allama Iqbal Open University, Sr. Headmaster, Govt. Muslim Union High School Mian Channu. 0301-3017686	18.	Mr. Sabeer Ahmad Abbasi, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. College, Jhika Gali Murree. 0300-5585228
19.	Ch. Basharat Ali, Regional Coordinator, Allama Iqbal Open University, SS, Govt. Christian Higher Secondary School Rawalpindi City. 0333-5191799	20.	Dr. Muhammad Anwar, Regional Coordinator, Allama Iqbal Open University, Headmaster, Govt. Boys School, Bhabra, Wah Cantt. 0300-5363883	21.	Mr. Saqib Imam Rizvi Regional Coordinator, Allama Iqbal Open University, Headmaster, Govt. Elementary School Bhai Khan, Gujar Khan. 0300-5199749
22.	Mr. Muhammad Raza Vaince, Regional Coordinator, Allama Iqbal Open University, Senior Headmaster, Govt. High School Phalina, Tehsil Kallar Syedan, Distt. Rawalpindi.	23.	Syed Zamir Hussain Shah, Regional Coordinator, Allama Iqbal Open University, SSS, Govt. Higher Secondary School, Nara, Kahuta. 0301-5151911	24.	Rana Abid Ali Khan, Regional Coordinator, Allama Iqbal Open University, Dy. Headmaster, Govt. MC Model High School Chichawatni. 0301-6925775
25.	Mr. Muhammad, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. College Depalpur. 0301-6390414	26.	Hafiz Muhammad Shafiq, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. High School Pakpattan Sharif. 0322-7858622	27.	Mr. Muhammad Iqbal, Regional Coordinator, Allama Iqbal Open University, SS. (Retd.), 157/C, Housing Scheme, Renala Khurd. 0308-7523947, 0345-7523947
28.	Mrs. Ruqia Kousar, Mr. Muhammad Javed Bashir, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. College for Women Tandlianwala. District Faisalabad. 0335-7769371	29.	Mr. Abdul Ghafoor Zahid, Regional Coordinator, Allama Iqbal Open University, Senior Headmaster (Retired), House No.111, Madina Colony, Pir Shah, Kamalia. 0321-6550499	30.	Mr. Abdul Razzaq, Regional Coordinator, Allama Iqbal Open University, Dy. Headmaster, Govt. High School No. 1, Pir Mahal. 0312-6560889, 0331-8675175

31.	Mr. Muhammad Siddique Regional Coordinator, Allama Iqbal Open University, Assistant Professor @ Chak No. 298 JB, Tehsil, Gojra. 0301-7055350	32.	Dr. Muhammad Javed Asghar, Regional Coordinator, Allama Iqbal Open University, Associate Prof. Govt. Degree College Jahanian. 0322-8870199	33.	Mr. Mumtaz-ul-Hassan, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Higher Secondary School Chak Jhumra, District Faisalabad. 0334-6645225
34.	Mr. Muhammad Javed Bashir, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Islamia High School Jaranwala, District Faisalabad. 0321-7951897	35.	Mrs. Khalida Perveen, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Girls High School No.01, Samundari, District Faisalabad.	36.	Mr. Muhammad Nawaz Zafar, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. Degree College Pindi Bhattian, District Hafizabad. 0333-6711578
37.	Mr. Muhammad Naqeeb, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Muslim High School Hafizabad. 0321-6212931, 0331-6212931	38.	Mr. Naeem Akhtar, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Boys High School, Sohawa, District Jhelum. 0333-5759601	39.	Mr. Farooq Ahmad, Regional Coordinator, Allama Iqbal Open University, Assistant Professor, Govt. Degree College Malikwal, District Mandi Bahauddin. 0345-5763246
40.	Mr. Adeel Abbas, Regional Coordinator, Allama Iqbal Open University, Dy. D.E.O, Govt. Boys High School Pind Dadan Khan, District Jhelum. 0345-9216000				

SINDH

1.	Mr. Ghulam Qadir Jamali, Regional Coordinator, Allama Iqbal Open University, HST, Govt. Boys High School, Khair Pur Nathan Shah. 0300-3256369	2.	Mr. Dildar Hussain Rahu, Regional Coordinator, Allama Iqbal Open University, Headmaster (R) Principal, Allied Public School Sakrand, District Nawabshah. 0306-8292318	3.	Mr. Pir Muhammad Rind, Regional Coordinator, Allama Iqbal Open University, HST, Govt. Boys High School, Sehwan Sharif District Jamshoro. 0300-5457029
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4.	Mr. Riaz Roshan Paul, Regional Coordinator, Allama Iqbal Open University, HST, Govt. HM Khoja High School No. 1, Nawabshah City. 0300-3227785	5.	Mr. Anwar-ud-Din Pirzada, Regional Coordinator, Allama Iqbal Open University, HST, Govt. Boys High School, Kandiario, District Nausheroferoz 0301-2127574		
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KHYBER PAKHTOON KHWA

1.	Mr. Wali Dad, Regional Coordinator, Allama Iqbal Open University, ADEO, School & Literacy Dassu, Kohistan. 0315-4377788	2.	Mr. Sajjad Aziz, Regional Coordinator, Allama Iqbal Open University, Instructor, Regional Institute of Teacher Education, Haripur. 0301-5520529	3.	Mr. Muhammad Hammad Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School Oghi, District Mansehra. 0300-5627378, 0332-5627378
4.	Mr. Pervaiz, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. Degree College Battagram. 0300-5258672	5.	Mr. Muhammad Pervaiz Regional Coordinator, Allama Iqbal Open University, Subject Specialist, C/O Govt. High School, Balakot. 0345-9628699	6.	Mr. Gohar Khan, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. High School No.2, Jamrud, Khyber Agency. 0333-9330321
7.	Mr. Johar Ali, Regional Coordinator, Allama Iqbal Open University, Headmaster, Govt. High School, Labor Colony, Aman Garh, Nowshera. Mob: 0346-5648635	8.	Mr. Hayatullah, Regional Coordinator, Allama Iqbal Open University, Vice Principal, Govt. Shaheed Omar Hayat High School, Charsadda. 0313-9173884	9.	Mr. Inam Ullah, Regional Coordinator, Allama Iqbal Open University, Asstt. Prof., Govt. Degree College, Ekka Ghund, Mohmand Agency. 0301-8890889
10.	Mr. Nasrullah Zeb, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Higher Secondary School Gadezi, Deggar, District Bunir. 0333-9703438	11.	Mr. Faiz ur Rehman, Regional Coordinator, Allama Iqbal Open University, Asstt. Prof. Govt. Degree College, Alpurai, Shangla. 0301-5906618	12.	Mr. Khalil ur Rehman, Regional Coordinator, (Dargai) Allama Iqbal Open University, Headmaster, GHS Dheri Kot, Malakand. 0323-8538179, 0341-5337988

13.	Mr. Aurang Badshah, Regional Coordinator, Allama Iqbal Open University, SS, Village & P.O Piran, Batkhela Malakand. 0341-0503658, 0345-9354518	14.	Mr. Muhammad Ayaz Khan, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. Degree College, Puran, District Shangla. 0345-8530350	15.	Mr. Muhammad Arif, Regional Coordinator, Allama Iqbal Open University, SET, Govt. Middle High School, Daggay, Tehsil Kabal Swat. 0345-9528291
16.	Mr. Muhammad Qasim Khan, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. High School No.03, Bannu. 0333-9732541	17.	Mr. Ghulam Wahid, Regional Coordinator, Allama Iqbal Open University, Headmaster, GHS, Bibywar, Dir Upper. 0302-8335588	18.	Mr. Faiz Ali Khan, Regional Coordinator, Allama Iqbal Open University, SS, Govt. High School Sigband, Tehsil Matta, District Swat. 0346-9416144
19.	Mr. Zia ul Haq, Regional Coordinator, Allama Iqbal Open University, Asstt. Prof. GPGC Khar, Bajour Agency. 0307-8566671, 0345-9155616	20.	Mr. Asal Jan, Regional Coordinator, Allama Iqbal Open University, SS, Govt. Higher Secondary School Mama Khel, Banochi, Bannu. 0332-8542734, 0346-8299980	21.	Mr. Abdul Qudoos, Regional Coordinator, Allama Iqbal Open University, Lecturer, Govt. Degree College Wana, South Wasiristan. 0333-9313095
22.	Mr. Iqbal Badshah, Regional Coordinator, Allama Iqbal Open University, SS, Govt. Higher Secondary School No.03, Lakki Marwat. 0346-9501419	23.	Mr. Muhammad Salim Khan, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. High School No.01, Tank. 0336-9445974	24.	Mr. Khurshid Khan, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. High School, Takht Bhai, District Mardan. 0300-9300588, 0315-9300077
25.	Mr. Iftikhar Ali, Regional Coordinator, Allama Iqbal Open University, Headmaster, Govt. High School, Ghala, Tehsil Katlang, District Mardan. 0346-9354577	26.	Mr. Anwar Zaib, Regional Coordinator, Allama Iqbal Open University, Headmaster, Govt. High School, Dhadher, Tehsil&District Swabi. 0314-9870444	27.	Mr. Ghaza Bacha, Regional Coordinator, Allama Iqbal Open University, SS, Govt. Higher Secondary, School Kunda, Tehsil Lahor, District Swabi. 0336-5686975
28.	Mr. Muhammad Taufeeque Khan, Regional Coordinator, Allama Iqbal Open University, Principal (Rtd.), Mehtab Khurshid School & College Kotha, Swabi. 0346-5586218	29.	Mr. Muhammad Ayaz, Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School, Asota Sharif, Tehsil Razar, District Swabi. 0313-6692788		

BALOCHISTAN

1.	Mr. Mohammad Yousaf, Regional Coordinator, Allama Iqbal Open University, Headmaster, Govt. High School Mashkaf, Tehsil Dhadar, District Kachhi Bolan.	2.	Mr. Fazal Din Abro, Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School, Sardar Sohbat Khan Gola, Tehsil Dera Allah Yar, District Jaffarabad. 0333-7858673	3.	Mr. Zahid Hussain, Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School, Sohbat Pur. 0345-4821186
4.	Mr. Mohammad Ayaz, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Boys Model High School Sibi. 0333-7710714	5.	Mr. Mohammad Tariq, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Boys Middle School Kali Saleh Mohammad Tehsil Gandawah, District Jhal Magsi. 0333-2315891	6.	Mr. Sahib Jan, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Boys High School, Harnai. 0332-8099430
7.	Mr. Muhammad Asif, Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School Mastung. 0334-3062311	8.	Mr. Muhammad Jumman, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Elementary College Uthal, District Lasbela. 0333-2875203, 0315-2555006	9.	Mr. Abdul Majeed, Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School Akram Colony Hub, District Lasbela.

GILGIT BALTISTAN

1.	Mr. Ghulam Murtaza, Regional Coordinator, Allama Iqbal Open University, TGT, F. G. Boys High School Nagar-I. 0355-5550013	2.	Mr. Manzoor Hussain, Regional Coordinator, Allama Iqbal Open University, AEO, Deputy Director Education Office, District Nagar. 0310-0500714	3.	Mr. Adina Baig, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Boys High School, Taus, Yasine District Ghizar. 0312-9712256
4.	Mr. Mehfooz Ullah, Regional Coordinator, Allama Iqbal Open University, SST, Govt. High School Darel. 0355-5355009	5.	Mr. Piyar Ali, Regional Coordinator, Allama Iqbal Open University, SST, Govt. Boys High School Aliabad, District Hunza. 0355-5231988		

AZAD KASHMIR

1.	Mr. Sajid Hussain Awan, Regional Coordinator, Allama Iqbal Open University, Principal, Read Foundation Inter Science College Hatian Bala, AK. 0346-5411240	2.	Mr. Khalid Manzoor Mufti, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Girls Degree College Aathmuqam, District Neelum, AK. 0355-8158556	3.	Mr. Bashir Ahmed Malik, Regional Coordinator, Allama Iqbal Open University, Principal (R) Village Parsacha, P/O Tehsil Pattika, Muzaffarabad, AK. 0342-0525164
4.	Malik Mushtaq Ahmed, Regional Coordinator, Allama Iqbal Open University, Principal, Govt. Girls Inter College Leepa, AK. 0355-8155551				



علامہ اقبال اوپن یونیورسٹی، اسلام آباد
(شعبہ امتحانات، ریکارڈ سیکشن)

FOR OFFICE USE ONLY

DTS No	PC No

درخواست برائے حصول پرویزٹل (PRC) / سرٹیفکیٹ اسناد ڈگری / ڈپلومہ کے لیے مکمل کاغذات کے ساتھ فارم جمع کرانا ضروری ہے۔

Degree	<input checked="" type="checkbox"/>
Urgent	<input type="checkbox"/>
Normal	<input type="checkbox"/>

نوٹ: فیس جمع کرنے کے بعد بینک چالان (AIUO ڈیپازٹ کاپی) ہمہ قارم بینک میں جمع نہ کروائیں بلکہ بنام کنٹرولر امتحانات AIUO کے پتے پر ارسال کریں۔

پروگرام کا نام _____

رول نمبر	رجسٹریشن نمبر	گروپ کا نام (جنرل، کامرس، ورس، نظامی)

نام طالب علم (اردو میں) _____ ولدیت (اردو میں) _____

نام انگریزی حروف میں _____ (اپنا نام اور ولدیت وہی تحریر کریں جو میٹرک کی سند میں ہے)

Name	
------	--

ولدیت انگریزی حروف میں _____

S/o, D/o	
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ڈاک کا مکمل پتہ (انگریزی حروف میں) _____

موبائل فون نمبر (لازمی) _____ ای میل: _____

سرٹیفکیٹ / ڈگری فیس _____ دوبارہ امتحانی فیس (RA) _____ کل فیس _____ بذریعہ بینک چالان نمبر _____ مورخہ _____ برانچ کا نام _____ ادا کردہ گی ہے۔

تاریخ پیدائش (صرف میٹرک کی پرویزٹل رزلٹ کارڈ PRC حاصل کرنے کے لیے) _____ قومی شناختی کارڈ کا نمبر (شناختی کارڈ کی فوٹو کاپی لف کریں) _____

پاس شدہ کورسز / مضامین کی تفصیل کا اندراج کریں

نمبر شمار	کورس کوڈ	سمسٹر	مائل کردہ نمبر	نمبر شمار	کورس کوڈ	سمسٹر	مائل کردہ نمبر	نمبر شمار	کورس کوڈ	سمسٹر	مائل کردہ نمبر
-1				-15				-29			
-2				-16				-30			
-3				-17				-31			
-4				-18				-32			
-5				-19				-33			
-6				-20				-34			
-7				-21				-35			
-8				-22				-36			
-9				-23				-37			
-10				-24				-38			
-11				-25				-39			
-12				-26				-40			
-13				-27				-41			
-14				-28				-42			

(رزلٹ کارڈ سمسٹر وارزف کرتیں)

ایم بی اے / ایم بی اے / ایم ایل آئی ایس / ایم ایل بی ایچ ڈی کے طلبہ Viva Voce پاس کرنے کی تاریخ درج کریں۔

بیان حلفی: میں طعنا بیان کرتا ہوں کہ ادھر جو معلومات درج کی گئی ہیں وہ درست ہیں اور ان میں کسی قسم کی غلط بیانی نہیں کی گئی ہے۔ جو تصدیق شدہ استاد / سرٹیفکیٹ / ڈگری اور رزلٹ کارڈز کی کاپیاں درخواست کے ساتھ منسلک کی ہیں وہ میرے اپنے ہیں۔ اگر کوئی قسم یا تبدیلی پائی گئی تو یہ خود ہی میرے خلاف ضابطہ قانونی کارروائی کرنے کی اجازت ہوگی۔

دستخط طالب علم

پتہ برائے ترسیل (طالب علم خود پر کریں)

پتہ برائے ترسیل (طالب علم خود پر کریں)

سرٹیفکیٹ / ڈگری
نام (طالب علم):
ولدیت:
ڈاک کا مکمل پتہ:
تحصیل
فون / موبائل نمبر (لازمی)

سرٹیفکیٹ / ڈگری
نام (طالب علم):
ولدیت:
ڈاک کا مکمل پتہ:
تحصیل
فون / موبائل نمبر (لازمی)



ALLAMA IQBAL OPEN UNIVERSITY

(DEPARTMENT OF EXAMINATIONS)

FEE TARIFF*

Sr.#	Programme	Fee Rates for		
		Ordinary	Urgent	Duplicate
1.	Course Certificate of SSC/HSSC/Bachelor Programme/ Elementary Arabic/Non-Credit	Rs.400/-	Rs.800/-	Rs.1600/-
2.	SSC(Matric)/HSSC(Intermediate)/PTC/CT/ATTC	Rs.500/-	Rs.1000/-	Rs.2000/-
3.	BA/B.Com/BBA(old)/BLIS/BCS/Associate Degree (2 years)/ Undergraduate Diploma/Certificate	Rs.800/-	Rs.1600/-	Rs.3200/-
4.	BS / BBA (4 years) Associate Degree (4 years) etc.	Rs.1200/-	Rs.2400/-	Rs.4800/-
5.	B. Ed. (old programme)	Rs.1000/-	Rs.2000/-	Rs.4000/-
6.	B.Ed. (1.5 years / 2.5 years / 4 years)	Rs.1200/-	Rs.2400/-	Rs.4800/-
7.	MA/M.Sc/M.Ed/MBA/M.Com/MBA & MPA Executive	Rs.1200/-	Rs.2400/-	Rs.4800/-
8.	Postgraduate Diploma / Certificate	Rs.1000/-	Rs.2000/-	Rs.4000/-
9.	M.Phil/MS/LLM/M.Sc (Honors)	Rs.2000/-	Rs.4000/-	Rs.8000/-
10.	Ph.D	Rs.3000/-	Rs.6000/-	Rs.12000/-
11.	Fee of Triplicate Certificate/Degree from Matric to Bachelor Programme			Rs.5000/-
	Fee of Triplicate Degree of B.Ed /BS (4years)/Master/MS/MPhil Programme			Rs.10000/-
12.	Change of Examination Center			Rs.600/-
13.	Duplicate Result Card Per Semester (Beyond Two Current Semesters)			Rs.100/-
14.	Rechecking of per Answer Script ATTC /CT/PTC/B.Ed / all Graduate Programme			Rs.700/-
	Rechecking of per Answer Script BS / MA / MSc / PGD & equivalent			Rs.800/-
	Rechecking of per Answer Script MS / MPhil / PhD & equivalent			Rs.1000/-
15.	Change in Name or any other Correction in Certificate/ Degree (made by Board/University or Court Decision)	Double Fee of Ordinary Prescribed for Programme		
16.	Verification of Certificate/Degree (By Students or Departments)	By Post Rs.600/-	By hand (same day) Rs.1000/-	
	Verification of Certificate/Degree from Foreign Organizations/Oversees Countries	USD 100* * including USD 25 for Courier Charges		
Sr. No.	Re-Appear Exams Fee for Programme	Fee Rate Per Course		
1.	SSC / PTC / Elementary Arabic	Rs.100/-		
2.	ATTC	Rs.180/-		
3.	HSSC / CT / Diploma 10 + 3	Rs.200/-		
4.	Bachelor / Associate Degree (2 years)	Rs.300/-		
5.	BS / BBA / Associate Degree (4 years)	Rs.400/-		
6.	B. Ed. (old) / B.Ed (1.5 years / 2.5 years / 4 years)	Rs.400/-		
7.	M.A / M.Sc / MBA / M.Ed/ PGD / MS / M.Phil	Rs.500/-		
8.	Ph.D	Rs.800/-		

*Applicable with effect from 1st January 2020.