

# AIOU Prospectus 2019

MSc Math  
MSc Physics  
MSc Statistics  
MSc Chemistry



Allama Iqbal Open University, Islamabad

[www.aiou.edu.pk](http://www.aiou.edu.pk)

Help Line: (051) 111-112-468

**PROSPECTUS**  
**OF**  
**MSc Programmes**  
**For**  
**SEMESTER: AUTUMN, 2019**



**ALLAMA IQBAL OPEN UNIVERSITY**  
**ISLAMABAD**

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## 1. 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.

## ADMISSION PROCEDURE

- Visit Website <https://online.aiou.edu.pk>
- Click on “Merit Based Admissions (BS/Masters/MS/MPhil/PhD)”
- Click 'Register' & fill details
- Upon successful registration please click on login
- Fill login details and login to the portal
- After login Click on Step-1 and complete your profile. Note: All four tabs should be filled before applying for admissions
- After completion of Step-1, click on Step-2 then click on "Download Challan" against program (s) you wish to apply
- Visit any ABL or MCB branch to submit fee the NEXT WORKING DAY After successful fee submission, please go to Step-2 and click on “Apply” and fill fee details

**Selected candidates will be contacted via SMS/Email after shortlisting for payment of First Semester Fee. You can also check the status at: <https://online.aiou.edu.pk> by going to “Admission Status” section. If you are shortlisted for admission, follow the given process for submission of fee and send the printed admission form:**

- Visit Website <https://online.aiou.edu.pk>
- Click on “Merit Based Admissions (BS/Masters/MS/MPhil/PhD)”

- Click login and Fill login details and login to the portal After login Click on Step-3 to see your application status against applied program (s)
- Selected candidates are required to send the admission form and attested copies of required documents to AIOU according to the addresses given in following table:

Programme	Address
MSc Physics	Programme Coordinator, MSc Physics, Department of Physics, Science Block, 1 <sup>st</sup> Floor, Allama Iqbal Open University, Sector H-8, Islamabad.
MSc Mathematics	The Chairman, Department of Mathematics, Block No.7, Allama Iqbal Open University, Sector H-8, Islamabad. Phone: 051-9250056, 051-9057734.
MSc Statistics	Chairman Department of Statistics, Ground Floor, Block No. 7, Allama Iqbal Open University, Sector H-8, Islamabad. Ph. No. 051-9057266, 9250062. Email: <a href="mailto:statistics@aiou.edu.pk">statistics@aiou.edu.pk</a>
MSc Chemistry	Prof. Dr. Naghmana Rashid Chairperson, Department of Chemistry, Science Block, Ground Floor, Allama Iqbal Open University, Sector H-8, Islamabad. Tel: 051-9250081, 051-9057818, 051-9057754

## 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 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 2<sup>nd</sup> 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 7**.

### **Merit Criteria:**

After scrutinize the eligible candidates, the department will call the eligible applicants for interview. The Departmental Admission Committee will recommend the suitable candidates 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.

### **Payment of fee:**

Please See **Page-2**

### **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.

**Semester Wise Course Offering**

**1<sup>st</sup> Semester**

Sr.#	Course Title	Code	Cr. Hrs
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)

**2<sup>nd</sup> Semester**

Sr.#	Course Title	Code	Cr. Hrs
1	Non Parametric Methods	1513	3(3+0)
2	Probability & Probability Distributions-II	1556	3(3+0)
3	Regression Analysis	1557	3(3+0)
4	Sampling Techniques-II	1558	3(3+0)
5	Design & Analysis of Experiments-II	1559	3(3+0)

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

Sr.#	Course Title	Code	Cr. Hrs
1	Econometrics	1562	3(3+0)
2	Statistical Inference-Testing of Hypotheses	1566	3(3+0)
3	Applied Multivariate Analysis	1567	3(3+0)
4	Data Analysis and Statistical Packages	1569	3(3+0)
5	Research Report	1570	3(3+0)

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

Sr.#	Course Title	Code	Cr. Hrs
1	Econometrics	1562	3(3+0)
2	Statistical Inference-Testing of Hypotheses	1566	3(3+0)
3	Applied Multivariate Analysis	1567	3(3+0)
4	Data Analysis and Statistical Packages	1569	3(3+0)
5	Research Report	1570	3(3+0)

**Total MSc Statistics Programme Credit Hours = 60**

**Elective Courses for MSc Statistics programme**

Sr.#	Course Title	Code	Cr.Hrs
1	Operations Research	1568	3(3+0)
2	Research Report	1570	3(3+0)
3	Reliability Analysis	1571	3(3+0)
4	Data Mining	1572	3(3+0)
5	Bayesian Statistics	1573	3(0+3)
6	Biostatistics	1574	3(3+0)

**Note:** Elective courses will be offered by the Department as per availability of resource persons.

**Fee Tariff for MSc Statistics**

Registration Fee: (once at the time of 1 <sup>st</sup> admission)	Rs.200/-
Admission Fee:(once at the time of 1 <sup>st</sup> Semester)	Rs.700/-
Technology Fee: (in each semester)	Rs.135/-
3 credit hours course fee: Rs.6015 × 5) =	Rs.30,075/-
<b>Total Fee for 1<sup>st</sup> Semester</b>	<b>Rs.31,110/-</b>

**Note:**

- Fee cannot be refunded or adjusted after dispatch of study material.
- Before the confirmation of admission, please neither deposit the 1<sup>st</sup> semester fee/admission form in any bank nor hand over to any person to AIOU.

**g) Instructional Methodology:**

**Study Material:**

A book in hard/soft form for each course will be provided to the students by the university. A list of recommended books will also be given for further readings.

**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 during classes/workshop.
- Two sessional exams for each course will be conducted and 50% marks in sessional exam is mandatory to appear in final examination.
- However, he/she can enroll himself/herself in the same course at the next offering as per AIOU rule.
- 30% weightage will be given to the assignments/ sessional tests in conflated result.

**Final Examination:**

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

**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.

**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 of MSc Statistics to study the six courses each of 3 credit hours and then these students will be capable to comprehend MSc Statistics level courses at AIOU.

**The zero semester courses, codes and fee are as under:**

	<b>Course Title</b>	<b>Code</b>	<b>Fee Rs.</b>
1.	Basics of Information & Communication Technology (ODL)	1431	970/-
2.	Business Communications (ODL)	457	510/-
3.	General Mathematics	1420	6015/-
4.	Statistics-I	1417	6015/-
5.	Statistics-II	1418	6015/-
6.	Statistics-III	1419	6015/-
	Technology Fee + Courier Charges		135/-
	Admission Fee:		700/-
	Registration Fee: (if already not registered)		200/-
	<b>Total zero semester Fee</b>		<b>26,575/-</b>

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 cover the course contents timely and 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**  
Please See **Page-2**

**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
1. **Dr. Zahid Iqbal**  
Associate Professor, Ph: 051-9057446  
Email: zahid.iqbal@aiou.edu.pk
2. **Dr. Tauqir Ahmed Mughal**  
Assistant Professor, Ph: 051-9057209  
Email: tauqirahmed1@outlook.com
3. **Dr. Muhammad Yameen Danish**  
Lecturer, Ph: 051-9057266  
Email: yameen.danish@aiou.edu.pk
6. **Mr. Muhammad Mushtaq**  
Research Associate, Ph: 051-9057287  
Email: muhammad.mushtaq@aiou.edu.pk
7. **Mr. Muhammad Sadil Ali**  
Research Assistant  
Email: sadil.ali@aiou.edu.pk
8. **Staff Phone:**  
Ph: 051-9057266

## DEPARTMENT OF PHYSICS

### Introduction:

#### **Excellence in Research Undergraduate, Postgraduate Education and 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 48 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 Programme**

#### 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 MSc 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, the department have well-equipped laboratories General and Nuclear Physics, Electronics, Digital and Computer Hardware Electronics and Advanced Digital a 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) i) Eligibility (for BSc /BSEd Students only):**

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 Test & Interviews** is mandatory for admission.

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

**Semester-wise Course Offering:**

**1<sup>st</sup> Semester**

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

**2<sup>nd</sup> Semester**

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

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

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

#### 4<sup>th</sup> Semester

S.#	Title of the Course	Code	Credit Hours
1	Research Techniques	5464	3+0
2	Nuclear Physics	760	3+0
3	Advanced Digital & Computer Hardware Electronics	2560	3+0
4	Electronic Communication System	2559	3+0
5	Laboratory for Advanced Digital & Computer Hardware Electronics	2561	3+1=4

**Note:** From the new upcoming semester, passing marks for MSc Physics programme will be a total of 50%.

#### 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.

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

#### Course Offering:

Sr. No.	Course Title	Code	Fee (Rs.)	Credit Hours
1.	Mathematics for B-Tech	1685	4200/-	03
2.	Physics- I for B-Tech	1686	4200/-	03
3.	Physics-II for B-Tech	1687	4200/-	03
4.	Laboratory-I for Physics	1688	2805/-	02
5.	Laboratory-II for Physics	1689	2805/-	02
6.	Technology Fee + Courier Charges		135/-	
7.	Admission Fee		700/-	
8.	Registration Fee		200/-	
	<b>Total Fee</b>		<b>19245/-</b>	

After the zero semester, students will join the next semester in continuation.

#### 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:**

**1<sup>st</sup> Semester**

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

**2<sup>nd</sup> Semester**

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

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

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

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

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

**Degree Requirement:**

For the award of MSc (Physics) degree, the students will have to complete the courses offered equivalent to 65 credit hours (22 courses) within a minimum period of four semesters.

**f) Fee Tariff**

Item	Rates
Registration fee: (at 1 <sup>st</sup> admission in University)	Rs.200/-
Admission fee: (at 1 <sup>st</sup> admission in programme)	Rs.700/-
Technology fee + Courier Charges: (in each semester)	Rs.135/-
Course fee: (Per 3 credit hours course)	Rs.4200/-
Lab course: per each 2 credit hours course	Rs.2805/-

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

**f) 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 / 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:**

Please See **Page-2**

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

**FACULTY MEMBERS: (Department of Physics)**

1. **Prof. Dr. Syed Zafar Ilyas**  
**Chairman**  
Phone # 051-9057830, 051-9250066
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. **Mr. Abdul Jalil**  
Lecturer  
Phone # 051-9057214
7. **Ms. Uzma Nosheen**  
Lecturer  
Phone # 051-9057727
8. **Ms. Tayyaba Aftab**  
Lecturer  
Phone # 051-9057727
1. **Mr. Hussain Ahmed**  
Research Associate  
Phone # 051-9057214
10. **Muhammad Imran**  
Laboratory Assistant  
Phone # 051-9057728
11. **Ms. Zeba Sultana**  
UDC  
Phone # 051-9057728
12. **Amjad Satti**  
Laboratory Assistant  
Phone # 051-9057728
13. **Muhammad Aman**  
Laboratory Assistant  
Phone # 051-9057728

## 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 programmes:

- MSc Mathematics
- MPhil Mathematics
- BS Mathematics

In future the Department intends to start PhD Mathematics Programme.

MSc Mathematics Programme has been designed for the students who can continue their jobs along with their studies in a non-formal system. It will strengthen the mathematical concepts of the candidates and will enhance their logical thinking. This programme caters the needs of information Technology and other sciences disciplines.

## **MSc Mathematics Programme**

### **a) Introduction:**

MSc Mathematics programme has been designed after consulting syllabus of National and International Universities. This programme is mainly designed to encourage professionals and fresh graduates to enhance their mathematical background and skills.

### **b) Objectives:**

The objectives of the MSc Mathematics programme 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.

**Payment of fee:**

Please See **Page-2**

**Hostel Facility:**

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

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

The MSc Mathematics programme 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.	Title of the Course	Credit Hours	Course Code
1	Computer & Scientific Applications C++	3(3+0)	1520
2	Topology	3(3+0)	1521
3	Linear Algebra	3(3+0)	1522
4	Real Analysis-I	3(3+0)	1523
5	Ordinary Differential Equations	3(3+0)	1525

**2nd Semester**

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

**3rd Semester**

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

**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 programme = 60**

### Optional Courses

Sr. No.	Title of the Course	Credit Hours	Course Code
1	Mathematical Finance-I	3(3+0)	4478
2	Theory of Racks and Quandles	3(3+0)	4479
3	Research Project	3(0+3)	4480
4	Fluid Mechanics	3(3+0)	1535
5	Applied Number Theory	3(3+0)	1540
6	Mathematical Statistics-II	3(3+0)	1542
7	Optimization	3(3+0)	1544
8	Analytical Dynamics	3(3+0)	1545
9	Mathematical Modeling	3(3+0)	1546
10	Graph Theory	3(3+0)	1547
11	Research Report	3(3+0)	1550
12	Operation Research	3(3+0)	1537
13	Combinatorics	3(3+0)	1539
14	Galois Theory	3(3+0)	1541
15	Algebraic Topology	3(3+0)	1548
16	Relativistic Mechanics	3(3+0)	1536
17	History of Mathematics	3(3+0)	9415

### e) Fee Tariff:

Item	Rate
Registration Fee: (once at the time of 1 <sup>st</sup> admission in University)	Rs.200/-
Admission Fee: (once at the time of admission in Programme)	Rs.700/-
Technology Fee + Courier Charges (in each semester)	Rs.135/-
Per 3 Credit Hours course fee: Rs.5725/- Rs.5725 x 5=	Rs.28625/-
<b>1st Semester Total Fee:</b>	<b>Rs.29,660/-</b>

### APPLYING FOR ADMISSION

#### Procedure:

Please See **Page-2**

### 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 (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 distributed 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:***

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

***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: 051-9057334

## DEPARTMENT OF CHEMISTRY

### MSc Chemistry Programme

The MSc program 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 program of national importance, which contributes to development of job skill.

The duration of the MSc program is 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, test 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 twelve batches of MSc students have passed out. Successful students are serving in research organizations, colleges and industry. Some students have also been selected by the HEC for scholarship to pursue higher studies leading to PhD.

#### **b) Objectives:**

The MSc program 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 program.
- 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, Admission will be based on previous academic record & interview.

#### **d) Scheme of Studies:**

At present this program is being offered in Islamabad region only. Later on it will be opened for the entire country wherever the appropriate tutorial support and laboratories will be available.

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

<b>1<sup>st</sup> Semester</b>	<b>Code</b>	<b>Cr.Hr.</b>
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)
<b>2<sup>nd</sup> Semester</b>	<b>Code</b>	<b>Cr.Hr.</b>
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

<b>3<sup>rd</sup> and 4<sup>th</sup> Semester</b>	<b>Code</b>	<b>Cr.Hr.</b>
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)
Chemistry of Natural Products	2587	3 (3+0)
Special Organic Reactions	2590	3 (3+0)
Organic Synthesis	2591	3 (3+0)
Advance Organic Chemistry Lab-III	2537	3 (0+3)
Advance Organic Chemistry Lab-IV	2538	3 (0+3)

### SPECIALIAZATION IN INORGANIC/ANALYTICAL CHEMISTRY

<b>3<sup>rd</sup> and 4<sup>th</sup> Semester</b>	<b>Code</b>	<b>Cr.Hr.</b>
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)
Advance Inorganic Chemistry Lab-I	2542	3(0+3)
Advance Inorganic Chemistry Lab-II	2543	3(0+3)
Organometallic Chemistry	2544	3(3+0)
Group Theory for Chemist & its Applications	2545	3(3+0)
Industrial Chemistry	2546	3(3+0)
Advanced Environmental Chemistry	2547	3(3+0)
Advance Inorganic Chemistry Lab- III	3561	3(0+3)
Advance Inorganic Chemistry Lab-IV	3562	3(0+3)

### SPECIALIAZATION IN PHYSICAL CHEMISTRY

<b>3<sup>rd</sup> and 4<sup>th</sup> Semester</b>	<b>Code</b>	<b>Cr. Hr.</b>
Chemical Kinetics	2548	3 (3+0)
Quantum Chemistry	2549	3 (3+0)
Electrochemistry	2550	3 (3+0)
Polymer Chemistry	2567	3 (3+0)
Advance Physical Chemistry Lab-1	2568	3 (0+3)
Advance Physical Chemistry Lab-II	2569	3 (0+3)
Molecular Spectroscopy	2570	3 (3+0)
Chemical Thermodynamics	2571	3 (3+0)
Solution Chemistry	2572	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)*

Only the prescribed printed admission forms online will be entertained. Admission forms (duly filled in) along with the required documents/testimonials/**BSc marks sheet(s)** are to be sent to:

**The Chairperson**

Department of Chemistry

University Research Complex, AIOU, 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. (Please do not send any fee with the application form)

**e) Fee Tariff:**

Item	Rates
Registration fee	Rs.200/- (once at the time of 1 <sup>st</sup> Admission in University)
Admission fee	Rs.700/- (once at the time of 1 <sup>st</sup> Admission in Program)
Technology fee	Rs.100/- per semester
Course fee	Rs.3,970/- (for each 3 credit hour theory course) Rs.3,640/- (for each 2 credit theory course)
Practical fee	Rs.10,440/- (for each 3 credit laboratory course)
	Rs.13,925/- (for each 4 credit laboratory course)
Research Project	Rs.19,880/-

**Semester-wise Payment to be made by the student on the basis of above-mentioned Fee Tariff**

<b>1<sup>st</sup> Semester</b> Registration fee Admission fee Fee for five theory courses Fee for laboratory course Technology Fee <b>Total:</b>	Rs.200/- Rs.700/- Rs.19,850/- Rs.13,925/- Rs.135/- <b>Rs. 34,810/-</b>
<b>2<sup>nd</sup> Semester</b> Fee for four theory courses Fee for laboratory courses Technology Fee <b>Total:</b>	Rs.15,880/- Rs.13,925/- Rs.150/- <b>Rs. 29,955/-</b>
<b>3<sup>rd</sup> Semester</b> Fee for three half credit theory courses Fee for two laboratory courses Rs.9470 x 2= Technology Fee <b>Total:</b>	Rs.11,910/- Rs.18,940/- Rs.150/- <b>Rs.31,000/-</b>
<b>4<sup>th</sup> Semester</b> Fee for three theory courses Rs.3600 x 3 = Fee for Research Project Technology Fee <b>Total:</b>	Rs.10,800/- Rs.20,880/- Rs.150/- <b>Rs.31,830/-</b>

**f) Instructional Methodology:**

**Study Material:**

Reprinted or 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 program theory courses will be taught by face-to-face teaching. For each laboratory course, workshops will be conducted during each semester in morning sessions.

Regular classes and Lab. Courses will be offered in the morning session.

### **Assessment System**

#### **Method of Assessment for Theory Courses**

##### **Continuous Assessment:**

Continuous assessment will be based on assignment(s) and 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**  
Assistant Professor, Tel: 051-9057262
4. **Dr. Muhammad Sher**  
Assistant Professor, Tel: 051-9057198
5. **Dr. Nasima Arshad**  
Assistant Professor, Tel: 051-9057756
6. **Dr. Muhammad Zaman Ashraf**  
Assistant Professor, Tel: 051-9057182
7. **Ms. Mehwash Zia**  
Lecturer, Tel: 051-9057225
8. **Dr. Farzana Shaheen**  
Lecturer, Tel: 051-9057394
9. **Dr. Iqbal Ahmad**  
Lecturer, Tel: 051-9057814
10. **Dr. Erum Jabeen**  
Lecturer. Tel: 051-9057414

## **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 Department 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.
- xxiii. ***A student who could not pass the final examination has two more chances for final paper in consecutive semesters.***
- xxiv. ***A student who could not attend/pass the workshop component has two more chances to attend/complete the workshop component in the consecutive semesters subject to the offering of the courses.***
- xxv. Applicant should ensure that the information provided in Admission Form is correct. If at any stage, the information found false or the applicant was not eligible according to the admission criteria, the admission shall be cancelled and there will be no right to claim the degree.

## **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:
  1. **Muslim Commercial Bank (MCB)**
  2. **Allied Bank Limited (ABL)**
- The applicant can deposit fee through bank challan, attached with admission form, to any 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

- iii) will be cancelled nor fee will be refunded to them.
- iv) 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.
- v) 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.
- vi) The amount deposited by the candidates/ student in excess (more than the prescribed fee) will be refunded/ adjusted within a year.
- vii) 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.
- viii) 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**

<b>Sr.#</b>	<b>Name</b>	<b>Telephone Nos.</b>
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

# ALLAMA IQBAL OPEN UNIVERSITY, REGIONAL NETWORK

## FEDERAL AREA, ISLAMABAD

RD, Regional Centre, AIOU,  
Gateway Block, Sector H-8,  
Ph: (051)9250171-9250111 (9057606-8)  
rd\_islamabad@aiou.edu.pk

## PUNJAB

RD, Regional Centre, AIOU,  
Street No.5, Major Tahir Sadiq Road,  
Dar-ul-Salam Colony, **ATTOCK**.  
(057)2610610-9316418  
rd\_attock@aiou.edu.pk

RD, Regional Centre,  
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Near Airport Hasilpur By Pass Road,  
**BAHAWALPUR**. (062)9239294-6  
rd\_bahawalpur@aiou.edu.pk

DRD, Regional Centre, AIOU,  
Opposite Allied Park, Near Food  
Godam Railway, By Pass Road,  
**CHAKWAL**. (0543)553566  
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RD, Regional Centre, AIOU,  
Railway Road, Near Veterinary  
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