



**Women University of
Azad Jammu & Kashmir
Bagh**

PROSPECTUS 2022-23



Women University of Azad Jammu & Kashmir Bagh

First Ever Women University of the Azad State of Jammu & Kashmir

Recognized by Higher Education Commission, Islamabad, Pakistan



PROSPECTUS

2022-2023

MESSAGE FROM THE CHANCELLOR

I am glad that you have chosen Women University of Azad Jammu and Kashmir, Bagh (WUAJ&K) as alma mater for receiving higher education and achieving professional growth. Being the first of its kind in the State of Azad Jammu & Kashmir, Women University of Azad Jammu and Kashmir Bagh holds special place for the people of AJ&K for being the seat of higher learning exclusively meant to educate and groom female students of AJ&K. The establishment of the University in 2014 has provided new opportunities for the female students who used to face multiple challenges in the pursuit of higher education. The WUAJ&K has addressed these challenges by providing them with a conducive learning environment. I am happy at the progress of WUAJ&K in a short span of time. The incumbent Vice Chancellor has consolidated the spade work done by founder Vice Chancellor. The financial and land issues, which had impeded the growth of the university, have been resolved and new projects have been approved and got underway. The university is providing modern research in the fields of Basic Sciences, Management Sciences and Social Sciences. I look forward to this dedicated University for Women to educate females of AJ&K while maintaining high standards of education thereby contributing to producing competent and skillful human resource. WUAJ&K is playing its due role in the socio-economic uplift of the district Bagh as well as the State of Azad Jammu and Kashmir. I hope that the University will continue to progress and provide quality education and teaching and, thus, play a significant role in improving Higher Education in the State of AJ&K.



BARRISTER SULTAN MAHMOOD CHAUDHRY
President Azad State of Jammu & Kashmir
& Chancellor, WUAJ&K

MESSAGE FROM THE VICE CHANCELLOR



MERITORIOUS PROF. DR. ABDUL HAMID
Vice Chancellor

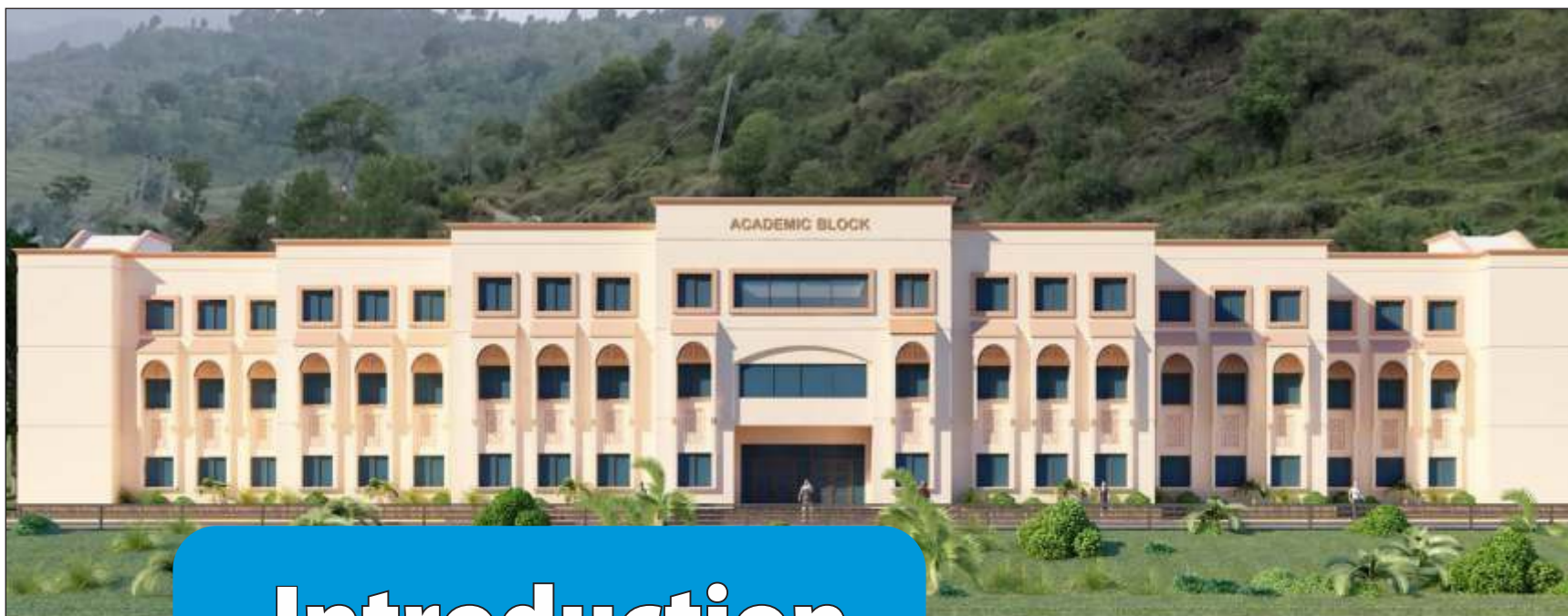
Women University of Azad Jammu and Kashmir Bagh is a seat of higher learning with the vision to facilitate and promote the academics and research in various fields of higher education for female students. University provides vibrant academic culture and professional environment for students to grow both, intellectually and professionally. I personally believe that youth plays an instrumental role in any country's development, therefore, I expect from the students of this prestigious institute to contribute positively in nation building. Without wasting the time our youth needs to move ahead in a more productive and professional manner to fulfill their aspirations and to meet the expectations of their parents in particular and society at large. The Women University of AJ&K Bagh offers forty-one graduate, post graduate and doctoral degree programs in various disciplines through thirteen established departments. Considering the needs of the area and the demands of the market, few new emerging degree programs have been incorporated this year. The geographical location of the institution provides an easy access to the female students of this region and other areas of the country to get opportunity to learn in a unique environment. We are committed to impart the quality education with latest scientific knowledge and market oriented professional skills.

.Presently several academic, financial and administrative reforms are underway to improve the institutional profile and make it financially a viable and sustainable institution. We are striving best to meet all the challenges including establishment of a high standard academic infrastructure and to make it a high ranking institution of the state. Maximum effort will be made to elevate the university to reach the satisfactory level of academic excellence.

I welcome new students to join us in our future academic endeavors.

Table of Contents

ii	Message of the Chancellor
iii	Message of the Vice Chancellor
1	Introduction
4	Directorates
7	Code of Conduct
24	Resources
27	Blocks
30	Management of the University
31	Faculty of Science & Technology
86	Faculty of Arts and Social Sciences
125	Faculty of Health and Medical Sciences
133	Semester Admission, Examinations and Semester Regulations
140	Fee Structure of Academic year 2022-23
148	Allocation of Seats



Introduction

Women University of Azad Jammu and Kashmir Bagh established in 2014 under Women University of AJ&K Bagh act (VII) of 2014 to provide quality higher education and to promote research activities for female students of the region.

The University supports intellectual and personal growth of the students, preparing them to become transformational citizen with sound ethical and religious values. University aims to provide favorable environment for the faculty and the students through increasing value added programs.

For the development of the region and country, it is pertinent to empower our women through quality education and professional training. The institute encourages its students to take leadership roles and contribute to the service of the society. Women University of AJ&K Bagh has three faculties, the Faculty of Arts and Social Sciences, the Faculty of Science and Technology and Faculty of Health and Medical Sciences. There are thirteen departments under three faculties. These faculties offer forty-one degree programs.

Degree Programs Offered by WUAJ&K

Faculties	Department	Programs		
		Under Graduate	Post Graduate	
Faculty of Science and Technology	Department of Biotechnology	BS Biotechnology BS Microbiology		
	Department of Botany	BS Botany BS Environmental Sciences		
	Department of Chemistry	BS Chemistry		Ph.D. Chemistry
	Department of Computer Science	BS CS BS Data Science	MS Computer Science	
	Department of Physics	BS Physics		
	Department of Mathematics	BS Mathematics BS Statistics		
	Department of Zoology	BS Zoology		
Faculty of Arts and Social Sciences	Department of Economics and Management Sciences	BBA (HRM, Finance, Marketing) B.Com, BS Banking and Finance, BS Economics, BS Economics and Finance, BS Islamic Banking		
	Department of Education	B.Ed. (Hons.) Elementary/Secondary, B.Ed. (1.5 year), B.Ed. (2.5 Year) BS Psychology, BS Sociology, BS Islamic Studies		
	Department of English	BS English		
	Department of Sports Sciences and Physical Education	BS Sports Sciences		
	Department of International Relations and History	BS International Relations		
Faculty of Health and Medical Sciences	Department of Allied Health Sciences	BS Emergency Medical Technology BS Clinical Laboratory Science BS Diagnostic Radiology & Imaging Technology BS Surgical and Operation Theater Science BS Dental Technology		

Vision

To be a leading university that provides best teaching-learning environment; promotes critical thinking and entrepreneurship for producing skillful female graduates who can act as agent of change in society.

Mission

- To provide women with best academic opportunities to transform them into qualified and trained human resource to meet contemporary challenges.
- To empower women graduates to translate their knowledge, research and technology for giving sustainable solutions of economic and environmental issues.
- To enhance social and problem solving skills for harmonious social development of local communities in particular and region in general.

DIRECTORATE of STUDENT AFFAIRS

Staff Members

Mrs Saira Munawwar
Mrs Nazish Ifrahim
Mrs Nasim Akhter

Assistant Director Student Affairs
Data Entry Operator
Junior Clerk



Dr. Syed Shazia Khtoon
Director Student Affairs

The Directorate of Student Affairs aims at assisting in providing educational opportunities and all kind of support to enable students to achieve their goals from this institution. It also assists in co-curricular activities to enrich students in their multi-dimensional growth. The Directorate is headed by Director Students Affairs (DSA), and assisted by Deputy Director Student Affairs and an Assistant Director Students Affairs.



Fundamentally, this directorate communicates the issues being confronted by the students in any domain of the university thereby helping them in best possible ways. This directorate additionally supervises students through awareness programs. It provides them a platform to nourish as well as flourish themselves to the maximum capacities thereby accomplishing the goal of the development of a well-balanced personality.

The directorate functions through liaising with administration, faculty and students. The essential role of this office is to facilitate students. It leads, co-ordinates, and regulates general elements of maintaining discipline, university's social orders, students counseling, accommodation and living arrangements. The imperative agenda of this office is to improve the nature of students' life in academics as well as non-academic side.



Under the supervision of DSA, the students are open to express themselves in seeking any kind of assistance about any issue experienced in the premises of university whether it is individual or collective, sentimental or academic.



The Student Affairs Office has a full-time Director and Assistant Director of Student Affairs, who are readily available to students for sorting out their problems. The students are encouraged to have approach to the concerned person for counseling and guidance. Efforts are being made to ensure a student's life free from worries and distractions, to help them learn how to cope with strains and stresses which are part of their learning processes.

The Hostel facility is also provided under Directorate of Student Affairs. Accommodation for 200 students is available in two hostels of university. Each hostel has its own Warden who is supported by clerical staff. The Hostel Warden and security guards are deputed 24/7 to look-after the students.

Admission Office of WUAJ&K is also working under the supervision of DSA. Presently, around 2400 students are enrolled in university. Admission Office disseminates admission information, receives the students admission forms and addresses the queries of applicants.



Objectives

1. To provide conducive environment to the students for their studies as well as co-curricular and extra-curricular activities.
2. To offer a platform to discover, enlighten and polish the hidden capabilities of the students.
3. To provide financial assistance to needy students. The Directorate of Student Affairs has provided financial assistance to maximum needy students of the University taking benefits of HEC programs as well.
4. To install an 'Information Desk' at the time of new admissions to facilitate the newcomers seeking admission in the University.
5. To arrange a seminar/lecture on Career Counseling and jobs opportunities through different Agencies for the University students and intending candidates, during the year, in collaboration with Career Development Centre (CDC).



Code of Conduct for Students

Women University of Azad Jammu & Kashmir affirms to impart knowledge among its students, the pursuit of truth, the discovery of new knowledge through scholarly research, and overall development of the students.

Preamble

The students, faculty and administration of Women University of Azad Jammu & Kashmir Bagh (WUAJ&K) all are collectively and individually responsible for maintaining the academic integrity of this institution. This code of conduct governs the academic conduct of each student of university and it shall be used to govern and adjudicate all matters of students' academic conduct to the extent it is practicable.

This code of conduct may be revised and amended if required at any stage.

Principles

The University recognizes and values the diversity of students' experiences and expectations, and is committed to treat students, both academically and personally, in a fair and transparent manner. All students, in return, are required to comply with the

requirements set down in this Code of Conduct.

The university reaffirms its commitment to:

- High academic standards, intellectual rigor and a high quality education
- Intellectual freedom and social responsibility
- Reorganization of the importance of ideas and the pursuit of critical and open inquiry
- Tolerance, honesty and respect as the hall marks of relationship throughout the university community and
- High standards of ethical behaviour

All students are required to be aware of and act consistently with these values.

Coverage

This code of conduct applies to all students of the WUAJ&K with respect to all actions and activities (including inaction or inactivity) relating to or impacting on the university or its students and employees. It must be read in conjunction with the statutes, rules and calendar of the University.

Jurisdiction

This code applies to the on-campus conduct of all registered students' organizations. The code also applies to the off-campus conduct of students and registered students' organizations in direct connection with;

- Academic courses requirements or any credit-bearing experiences, such as internship, field trips, study abroad, or student teaching
- Any activity supporting pursuit of a degree, such as research at another institution or a professional practice assignment
- Any activity sponsored, conducted, or authorized by the university or by registered student organization
- Any activity that causes substantial destruction of property belonging to the university community or causes serious harm to the health or safety of members of the university community or
- Any activity in which a police report has been filed, a summons or indictment has been issued, or an arrest has occurred for a crime of violence.

The university reserves right to administer the code and proceed with hearing process even if the student withdraws from the university, is no longer enrolled in classes, or subsequently fails to meet the definition of student while disciplinary matter is pending. Students continue to be subject to city, state and federal laws while at the university, and violations of those laws may also constitute violations of the code. In such instances, the university may take disciplinary action under the code independently of any criminal proceeding involving the same conduct and may impose sanctions for violation of the code even if such criminal proceeding is not yet resolved in the student's favor.

Terms of Conduct

Students have a duty to familiarize themselves with the rules and regulations of the university that determines what their responsibilities are:

- Student shall abide by the published rules, regulations, and policies of the university or of any authorized rule-making body within the university.
- Students shall not interfere, directly, indirectly, or by threat, with the communicator or pursuit of a complaint under the code.

- Students shall respect the freedom of individuals to study, to teach, work, engage in research and socialize. Students shall refrain from the conduct that attempts to limit these freedoms or any other freedoms guaranteed by law.
- Students conduct shall respect the lawful rights of others to possess, use, or enjoy private or university property.
- Violations of the aforementioned terms of conduct are an offence under the code, subject to disciplinary action. The above terms apply with equal force to individual students and students' groups or organization.

Student Rights

As member of the WUAJ&K, students enjoy the following rights;

- Equal opportunity in education
- Every student has a right to be free from discrimination based on race, religion, ethnicity, political affiliation, age, gender and disability.
- Right to academic freedom
- Students have the right of freedom of expressions as defined in the university calendar and a right of freedom of assembly and association, as long as the exercise of such freedoms does not interfere

with the effective conduct of classes, complies with university policies and respect for the rights of others.

Right Concerning Polite Educational Process

- While students are required to know the material presented by the teacher, students are also free to reserve and express personal judgment in a constructive manner.
- While faculty and administrators have decision making authority in educational matters, students may make suggestions in a constructive manner regarding revising and improving the educational process. Students have a right to be informed of grading criteria and of fair evaluation by the teacher.

Privacy Rights

Students have a right of protection against unauthorized disclosure of information contained in their financial, medical, and educational records.

Freedom from harassment

Students have a right to be free from any kind of harassment by any member of the University community and have the right to apply to the disciplinary committee for redress.

<p>Due Process Students have a right to due process in any University proceeding against them. They include the right to be heard, a right to review and decision by impartial persons or bodies, and a right to adequate notice.</p> <p>Grievance process Students have a right to file a grievance regarding the violation of any student right with the disciplinary committee in accordance with its procedures.</p> <p>Responsibilities It shall be the responsibility of each student to become familiar with the provisions of the code. Upon enrollment at WUAJ&K each student will be given copy of the code and will sign a form acknowledging that she has read, understood and agreed to follow this code.</p> <ul style="list-style-type: none"> • Each student is obliged to refrain from committing any act of academic dishonesty. These acts impair the academic integrity of WUAJ&K as described in detail in this code. • Students who commit an act of academic dishonesty are subject to disciplinary action as described in this code and university calendar. • A faculty member who discovers 	<p>violation of this code may refer the case to disciplinary committee for appropriate action such as;</p> <ul style="list-style-type: none"> • Oral warning to the student; • Written warning to the student; • Reduction of score in the academic evaluation involved or one of its components; • Retake of the academic evaluation involved or one of its components; • Suspension of a course or semester; • Disciplinary measures should be applied in timely manner, as soon as practicable after the discovery of the violation. • Faculty should seek, as needed, the advice of the dean (DSA OR DDSA) or how to handle such violations. • In a particularly serious case (e.g., involving a repeated offense), the disciplinary committee may decide that the student shall be suspended or dismissed from the program. The final decision on such matters shall be made by the Vice Chancellor (or his/her designee). • In general, students should address their concerns regarding disciplinary measures under this code, first to the concerned member of the faculty. If the students believe that there has been a serious error in the application of the disciplinary 	<p>measure, the students may discuss the matter with the Dean (DSA or DDSA).</p> <ul style="list-style-type: none"> • After appeal to the Dean (or the Deans designated), if a student believes that the disciplinary measure relating to the violation of the academic integrity or misconduct is ostensibly erroneous or grossly unfair, the student may appeal to Vice Chancellor. • Each program/department shall make an annual report at the end of each academic year, summarizing violations addressed and the corresponding disciplinary measures applied during that academic year. <p>Personal Conduct All students must;</p> <ul style="list-style-type: none"> • Treat all employees, honorary appointees consultants, contractors, volunteers any other members of the public and other students with respect, dignity, impartiality, courtesy and sensitivity • Maintain a cooperative and collaborative approach to inter-personal relationships • Act honestly and ethically in their dealing with university employees, honorary appointees consultants, contractors, volunteers, any other
---	---	---

- members of the public and other students;
- Respect the privacy of the employees, honorary appointees, consultants, contractors, volunteers any other members of the public and other students
- Ensure that they do not act in a manner that unnecessarily or unreasonably impedes the ability of employees, honorary appointees, consultants, contractors, volunteers any other members of the public and other students to access or use the resources of the university, including the university, library, lecture rooms and laboratories.

Academic Conduct

All students must:

- Ensure that their enrolment and progress in their awarded course is lawful and consistent with the statutes, rules and calendar of the university
- Read all official correspondence from the university, including email
- Act ethically and honestly in the preparation, conduct, submissions and publication of academic work, and during work all forms of assessment, including formal examinations and informal tests
- Avoid any activity or behavior that

would unfairly give advantage or disadvantage to another student academically

- Conform to the university requirements for working with humans, animals, and biohazards;
- Behave professionally, ethically and respectfully in all dealings with the university's learning partners during extramural placement and practicum
- Use university resources, including information and communication technology resources, in a lawful ethical manner and for the university purposes only, unless written permission and has been granted for non-university or private usage.

Classroom Standards

The individual teacher is primarily responsible for managing the classroom environment. If a student engages in any prohibited or unlawful acts or other behaviour that results in disruption of a class, she may be directed by the member of the faculty to leave the class. Students must be protected against infringement of their rights and unfair practices.

Identification Card

- Each member of the university community is issued a picture identification card, and must wear it

at all times while on university premises or at university-sponsored activities.

- Identification card must be presented upon entering university building and must be worn while in university premises.
- Identification cards are not transferable. The owner of the card will be called upon to account for any fraudulent use of her identification card and will be subject to disciplinary action by the university. The card will be forfeited if the student to whom it was issued allows any other person to use the same. From the university, all rights and privileges related to the identification card automatically cease. If the student withdraws, or is suspended or expelled, from the university, the identification card must be surrendered to the relevant body.

Visitors and Guests

Students may be held accountable for the act of misconduct of their guests while in university premises or at university sponsored activities. Visitors, including invitees shall conduct themselves, at all times, in a manner which is consistent and in line with maintenance of orderly behavior in the

university premises.

Dress Code

In order to maintain academic dignity and sanctity of the institution, students and staff of the university are required to wear decent dress keeping in view the local cultural and religious values. The dress restriction is not to impose any rigidity or regimentation but it is to maintain discipline and to follow religious societal standards. Purpose of dress code is to establish the basic guide lines for appropriate work dress that promotes a positive image of WUAJ&K.

To abide by the student dress code, students should not:-

- Wear tight or see-through dress.
- Wear shorts, or sleeve-less shirts.
- Wear tee-shirts/dress bearing language or art, which appears to be provocative or indecent and is likely to offend others.
- Wear torn clothing.
- Wear jogging or exercise clothing during classes.
- Put on excessive makeup or wear expensive jewelry.
- Wear untidy, gaudy or immodest dress in classrooms, cafeteria and university offices.
- Wear unprofessional attire in formal

programs and interviews.

- Draw unnecessary attention to themselves through their clothing, accessories, hairstyles, body markings or piercings.
- Sunglasses are permitted but must be removed when indoors.
- Hair must be clean and its style should not draw unnecessary attention. Long hair must be tied back.
- Bare feet are not permitted.

Cell Phones

The use of cell phone is strictly prohibited within the premises of the University. All members of the faculty/teachers permitted to keep an eye on the students. Whenever they found any student with a mobile phone, the student must surrender mobile to the teacher. Disobedience will result in major penalties

Prohibited Conduct

Any student found to have engaged, or attempted to engage, in any of the following conduct while being in the university's jurisdiction will be subjected to disciplinary action by the university's concerned department. The following is an illustrative list of the types of conduct, including actual conduct and attempts to engage in such conduct, which are

prohibited by this safety code.

- Causing any condition that jeopardizes the safety of individuals, groups of individuals, or the university community; participating in conduct or behavior that explicitly endangers the safety and well-being of oneself or others.
- Tempering with safety measures or devices, such as fire extinguishers, exit signs, locked exterior or interior doors.
- Failing to conform to safety regulations, such as falsely reporting an incident.
- Falsely reporting the presence or threat of a bomb or any other dangerous device or condition.
- Having the knowledge of and not reporting an event or act that would potentially endanger member of the university community

Discrimination

- Engaging in verbal or physical behavior directed at an individual or group based on national origin, religious beliefs, race, creed or gender, that is likely to create an intimidating or demeaning environment for any students, faculty and staff.
- Wearing articles of clothing with derogatory, racist, discriminatory,

patently offensive, profane, or graphic message either in words or pictures, which demonstrate bias or discrimination against any individual or group within the university community.

Harassment

- Engaging in verbal, electronic, visual, written or physical behavior directed at an individual or group that, in the view of a person of reasonable sensibilities, is likely to provoke or otherwise result in, a negative or injurious response, emotional distress, or related reaction or consequence.
- Creating an intimidating or demeaning situation or environment or inflicting personal, social, academic, psychological or emotional harm, or undue stress.

Assault

Any willful attempt or threat to inflict injury upon the person of another, when coupled with an apparent present ability to do, and any intentional display of force such as would give the victim reason to fear bodily harm constitutes an assault. An assault may be committed without actually touching, sticking or doing bodily harm. Self-defense may be a mitigating factor to this charge,

depending on the circumstances.

Battery

An encounter in which physical contact occurs or is threatened between two or more persons with weapons, blows or other personal violence and that may include pushing, shoving, and other act of physical abuse. Self-defense may be a mitigating factor to this charge, depending on the circumstance.

Stalking

Stalking is defined as willfully, maliciously and repeatedly following or harassing another person in a manner that would cause a reasonable person to feel frightened, intimidated, threatened, harassed, molested. Stalking can either be physical or electronic.

Forgery, Fraud, Dishonesty

Forging the name of a university employee, another student or any other person or entity, altering or misusing official university forms, documents, records, stored data, electronic data bases and university enterprise system, or knowingly furnishing false information to university officials or employees.

The university has registered its name, logo and seal as trademarks. As such,

these marks are protected under applicable federal and local laws. Students may not use the seal, logo(s), motto, trademarks, or other intellectual property of the university without written permission from the University's Registrar Office.

Property Damage

The attempt of, or unauthorized removal, usage, or the defacing of university property, or property under university custody or control resulting in its destruction or damage. Destroying, defacing, removing or damaging the property of others in university premises or at university sponsored activities.

Theft

The stealing or attempted theft of property and/or services; knowingly possessing or transporting stolen property; or improperly using or converting the property of another for personal use.

Unauthorized Entry, Use or Transporting

Entering or using university facilities or property, or property in the custody or control of the university, for an improper purpose, or without proper authorization, or assisting other in doing so.

Organization and Event Registration
Failing to comply with policies and regulations governing the registration of student organizations, events on campus, or the use of university facilities or resources.

Failure to Comply / Non Compliance
Failing to comply with or respond to the directions or instructions of an authorized university official, faculty, or member of the staff acting in the performance of his or her duties. The student identification card shall be carried by students at all times and surrendered upon the reasonable demand of any university official.

Failure to comply with any disciplinary procedure, within the identified time frame, will result in a hearing with sanctions applied.

Disruptive Conduct

- Acting in a manner that impairs, interferes with, or obstructs the orderly conduct, processes, or function of the university or any person in university owned or operated property or at any university-sponsored event.
- Students whose behavior, communications, and/or attire may be considered disruptive while

participating in academic programs, university activities, and general operations. Behaviors would include; use of electronic devices such as pagers, cell phones, video games, walk man's, personal music player, during class sessions, laboratory, or clinical practicum's or clerkships.

- This also includes student who engage in disruptive behaviors or communication with a teacher, such as swearing or crushing, which impedes the ability of the teacher to maintain decorum or to present academic information in the class room or laboratory.

Use of Unauthorized Computer or Electronic Communication Devices

Theft or other abuse of computer facilitates and resources including, but not limited to;

- Unauthorized entry into a file, to use read, or change the contents, or any other purpose.
- Unauthorized transfer of a file.
- Use of another individual's identification/password.
- Interference with the work of another student, member of the faculty or university official.
- Sending obscene, abusive or threatening messages.

- Transmission of computer viruses.
- Interfering with normal operation of the university computer system.
- Unauthorized duplication of software or the other violation of copyright laws.

Cheating

Intentionally using or attempting to use unauthorized materials, information, or study aid in any academic exercise, copying from another student's examination; submitting work prepared in advance for an in- class examination; taking an examination for another person or conspiring to do so.

Fabrication

Intentional and unauthorized falsification or intervention in an academic exercise for malicious purposes.

Facilitating Academic Dishonesty

Intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty

Plagiarism

Intentionally or knowingly representing the words or idea of another as one's own in any academic exercise; failure to attribute direct quotation, paraphrase, or

borrowed facts or information without reference.

Unfair Means

Use of unfair means generally covers following:-

- An attempt to have access to the question paper before the test / examination.
- Presentation of unauthorized reference material during test / examination.
- Any forms of communication by the examinees with any one in or outside the test/ examination room while the test /examination is in progress.
- Unauthorized entry into faculty's office in unauthorized/un-ethical or that of his staff with the intention of having an access to or tempting with the official record/exam paper etc

Violation of Criminal Codes of the Local, State or Federal Governments
On or off campus action or activities that violate criminal law also violate the code.

Embezzlement

Unauthorized acquisition and /or use of funds belonging to, or under the stewardship of, any university unit, organization, or individual

Contempt of or Interference with any Disciplinary Program Action or Activities

- Failure to respect the disciplinary program or process, including failing to appear for hearing if called to do so.
- Acting in a threatening or harassing manner towards hearing participants before, during or after a hearing.

Media Contact

Students are expressly prohibited from speaking on behalf of, or for, Faculty/ university with any media organization or publication, or from inviting the same to any university's owned or operated property, facility without the express written permission of the office of university authorities.

Presenting False Testimony
Knowingly making false statements regarding a disciplinary matter before, during or after the disciplinary adjudication process.

Abuse of the Student Conduct System
Abusing the student conduct system including but not limited to:-

- Failure to obey the notice from a university official to appear for a

meeting or hearing as a part of the student conduct system

- Falsification, distortion or misrepresentation of information before a hearing body or designated hearing officer of the university.
- Disruption or interference with the orderly conduct of a hearing proceeding.
- Causing a violation of university code of conduct.

Students Organization

Political meetings, distribution of posters and political material and use of loudspeaker is not allowed inside campus premises.

Indecent Behavior at the Campus

- Indecent behavior exhibited at the campus including classes, cafeteria, laboratories etc, defying the norms of decency, morality and religious/ social values by single or group of students.
- Damage to the university fixtures/ furniture, scribbling/curving on desks, wall chalking, misusing of lab/university equipment etc.
- Use of mobile phone in classrooms, examination halls, lab and library.

Off Campus Conduct

Conduct occurring in the university premises be such that it should not affect the interest and image of the institute.

Enforcement of Code of Conduct

Matters of indiscipline would be referred to the faculty/university authorities, who are authorized to check indiscipline matters and decide as per university rules, regulations and policies. Parents of those students who disobey the authorities and violate the code of conduct will be informed.

Punishment or Penalty for Acts of Misconduct

Punishment or Penalty for Acts of ill-discipline shall be according to the gravity of the case and may be any one or more of the following:-

Minor Punishments

- Warning in writing. Notice to the offender, orally or in writing, that continuation or repetition of prohibited conduct may be cause for farther disciplinary action.
- Probation. Probation for a specific period.
- Fine. This may amount more than Rs.3000.
- Hostel suspension/permanent

removal. Expulsion from the hostel for a specified period, or permanent removal from the university.

- With holding of Certificate. With holding of a certificate of good moral character.
- Removal of Privileges. Deprivation from the privilege enjoyed by the students.
- F Grade. Award of "F" grade in a paper.

Major Punishments

- Expulsion. Expulsion from the class for a specific period up to one semester
- Exam Result. Cancellation of examination result.
- Rustication. Expulsion or rustication from the university/collages as given in university calendar.
- Degree. Non conformant of degree/transcript.
- Relegation/withdrawal. Other sanctions or a combination of above mentioned punishments as deemed appropriate.

Discipline Process

Case referrals

Each case of ill-discipline shall be reported to Dean through DSA or DDSA or the Warden of the hostel and he/she

will refer the case to the disciplinary committee

Procedure-disciplinary hearing

Disciplinary hearing is formal process conducted by the discipline committee. This formal process is designed to gather and consider relevant information regarding the alleged violations of the code and to determine and recommend a punishment. Every effort will be made to expedite proceedings pursuant to allegations within a reasonable period.

Punishments

Discipline committee will recommend the punishment according to the gravity of the case after giving full opportunity to the defaulter to give her point of view before recommending the punishment.

Appeals

An appeal against the discipline committee's decision can be filed with the Vice Chancellor within fifteen days of the announcement of the decision.

Appeal Process

Right to appeal

A student found to have violated this code has the right to appeal the original decision. An appeal of a decision must be submitted in writing to the Vice

Chancellor, within ten (10) calendar days after the date of the issuance of notice. Each student shall be limited to one appeal. The decision of the Vice Chancellor is final.

Ground for Appeal

An appeal may be based only upon one or more of the following grounds:-

- **Procedural error;**
- **Misapplication or misinterpretation of the rule alleged to have been violated;**
- **Findings of facts not supported by a preponderance of evidence;**
- **Discovery of substantial new facts that were available at the time of the hearing; and**
- **That the disciplinary sanction imposed is grossly disproportionate to the violation committed.**
- **Appeal Proceedings**
- **The Vice Chancellor shall dismiss the appeal if the appeal is not based upon one or more of the grounds set forth in above section.**
- **The Vice Chancellor may decide the appeal based upon a review of the record.**
- **The Vice Chancellor may ask additional written information or an oral presentation from any relevant person(s) and then decide the**

appeal based upon the enhanced record.

Possible disposition by the appeal officer

The Vice Chancellor may, after a review of the record, up hold the original sanction, dismiss the original sanction, or impose a lesser sanction. Vice Chancellor may also refer the case of the original hearing body or refer the case to a new hearing officer or panel to be reheard. If possible, a new hearing officer or panel should be different from the one that originally decided the case. If a case is reheard by hearing officer or panel, the sanction imposed can be greater than that imposed at the original hearing.

Revision of the Student Code of Conduct

Periodic review

The officials of the code of conduct committee will perform a full formal review of the code on annual basis or at any other time when required.

Procedure for Revision

If it is determined that the code is in need of full revision, the procedure for developing a new document for recommendation to the relevant bodies will be as follows:

- **A Committee composed of faculty,**

administrative staff and student will be appointed by Dean to review the "Code" portion of the document and to make recommendation for changes.

- **The draft of the revised code is to be completed by committee and forwarded to the Dean for review and comment.**
- **The final draft will be submitted for review to the Academic Council.**

Forwarding for Approval

The final document will be forwarded, through the Dean to the Vice Chancellor for final review and for presentation to the syndicate for approval.



QUALITY ENHANCEMENT CELL

Staff Detail of Quality Enhancement Cell

- | | | |
|----|----------------------------|--|
| 1. | Dr. Shahid Iqbal | Director Quality Enchantment Cell |
| 2. | Syed Asad Ali Kazmi | Assistant Director QEC |
| 3. | Kh. Sajid Mehmood | Senior Computer Operator |



Dr. Shahid Iqbal
Director QEC

The issue of quality has been identified as the major challenge faced by the higher education sector in the Medium Term Development Framework (MTDF). Therefore, to enhance the quality of output and efficiency of the higher education learning systems, a mechanism for the establishment of QECs has been developed by the Quality Assurance Committee.



'Quality' acquires a fundamental significance for the sustainability of human endeavors in the creation of both physical and social capital. In the contemporary world, quality of higher education is universally considered as the most important variable for determining technological capability and progressive social transformation of a country. Quality of education imparted to the female youth of Azad Jammu & Kashmir (Pakistan) underscores WUAJ&K mission and vision. The university has always upheld this mission. Quality Enhancement Cell (QEC) is part of WUAJ&K vision for sustaining and improving the quality of service delivery, in order to live up to the expectations of the stakeholders including students, teachers, parents, employers and, above all, the nation. As per recommendations of Higher Education Commission (HEC), the QEC was established at WUAJ&K in January 2016 and since then the quality related issues are being increasingly routed through this channel, while simultaneously ensuring incremental, consistent, and sustainable expansion of the related measures. The Cell itself is part of the landmark initiative of Quality Assurance Agency (QAA) of the Higher Education Commission (HEC) of Pakistan.

Functions of Quality Enhancement Cell

The QEC is working in close coordination with the Vice-Chancellor to perform the following salient functions:-

- a) The Quality Enhancement Cell (QEC) is to be headed by a Director reporting directly to Vice-Chancellor. He is to be the correspondent with the outside bodies.
- b) It is responsible for promoting public confidence that the quality and standards of the award of degrees are enhanced and safeguarded.
- c) It is responsible for the review of quality standards and the quality of teaching and learning in each subject area.
- d) It is responsible for the review of academic affiliation with other institutions in terms of effective management of standards and quality of programs.
- e) It is responsible for defining clear and explicit standards as points of reference for the reviews to be carried out. It should also help the employees to know as to what they could expect from candidates.
- f) It is responsible to develop qualifications framework by setting out the attributes and abilities that can be expected from the holder of a qualification, e. Bachelors, Bachelor with Honors, Master's, M. Phil., and Doctoral.
- g) It is responsible to develop program specifications. It sets the standards to clarify what knowledge, understanding, skills and other attributes a student will develop on successfully completing a specific program.

- h) It is responsible to develop quality assurance processes and methods of evaluation to affirm that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other scholarly activities.
- l) It is responsible to ensure that the university's quality assurance procedures are designed to fit in with the arrangements in place nationally for maintaining and improving the quality of Higher Education.



QEC is responsible to develop procedures for the following:

- Approval of new programs
- Annual monitoring and evaluation that includes program monitoring, faculty monitoring, and student's understanding
- Departmental review
- Student feedback
- Employer feedback
- Quality assurance of Bachelor, Master's, M. Phil. and Ph. D. degree programs.
- Subject review
- Institutional Assessment
- Program Specifications
- Qualification Framework.

Objectives of Quality Enhancement Cell

- QEC is structured to have a focused attention on quality assurance aspects of higher education
- To monitor the ongoing quality move in the university.
- To meet the challenges of global compatibility in higher education.
- To develop a viable and sustainable mechanism of quality assurance in higher education sector of the country.
- To produce manpower that could serve the society in an efficient, effective and honest way.

STUDENTS FINANCIAL AID/ SCHOLARSHIP OFFICE



M. Basharat Khan
Assistant Director Finance (Budget)

In order to provide financial assistance to meritorious, needy and deserving students a full-fledged, Students Financial Aid Office (SFAO) is established at Woman University of Azad Jammu & Kashmir Bagh in collaboration with HEC. Mr. Basharat Hussain is currently appointed as Manager (SFAO), who is primarily responsible for providing all information, services, and assembling financial resources that are available to and/or needed by students who are attending Women University of Azad Jammu & Kashmir Bagh. Financial aid resources are those that are provided both internally from university funds and externally from HEC and other organizations.

Following scholarship programs are currently being offered to the students at Women University of Azad Jammu & Kashmir Bagh.

- Prime Minister's Tuition Fee Reimbursement Program for Selected Regions
- HEC Need Based Scholarship Program
- HEC French Need Based Scholarship
- Punjab Educational Endowment Fund Scholarship
- National Endowment Fund for Talent
- PSO CRS Trust
- Pakistan Science Foundation
- USAID Scholarships
- FFC Scholarship scheme



Overall Scholarships Till Today				
Sr. No	Detail	No. of Students	Amount Disbursed	Program
1	Prime Minister Fee Reimbursement Scheme (PMFRS)	2525	155.513	Master & M.Phil
2	HEC Need Based Scholarship (NBS)	155	20.770	BS
3	Punjab Educational Endowment Fund (PEEF)	19	2.295	Master
4	French Need Based Scholarship	18	3.600	BS
5	Ehsaas Under Graduate Scholarship Program (EUSP)	649	84.905	BS
	Grand Total	3366	267.083	
Scholarships 2020-21				
1	Prime Minister Fee Reimbursement Scheme (PMFRS)	20	1.587	Master & M.Phil
2	HEC Need Based Scholarship (NBS)	4	0.254	BS
3	Punjab Educational Endowment Fund (PEEF)	19	2.295	Master
4	Ehsaas Under Graduate Scholarship Program (EUSP) Phase 1, 2nd Instalment	256	23.540	BS
5	Ehsaas Under Graduate Scholarship Program (EUSP) Phase 2, 1st Instalment	341	33.814	BS
	Grand Total	640	61.490	

INFORMATION TECHNOLOGY CENTRE

Staff Members:

1. **Mr. Rashid Bashir**
2. **Mr. Aftab Ahmed**

**Programmer
Programmer**



Dr. Gohar Rehman Chughtai
In-charge Director IT /
Assistant Professor

Information Technology Center has been established in 2016 with the purposes to build communication network for the Women University of AJ&K Bagh, safeguarding data and information, creating and administering databases, helping employees troubleshoot problems with their computers or mobile devices and doing a range of other tasks to ensure the efficiency and security of WUAJ&K.



Establishment of Data Centre

Women University has established the data Centre that centralizes an organization's shared IT operations and equipment to store, process, and disseminate data and applications.. Data Centre will be helpful to ensure the PERN service to all students and hosting indigenously developed LMS.

Accomplishments

- IT Centre administers and maintains the PERN (Pakistan Education and Research Network) connectivity in Women University.
- University Website Management has been developed and managed internally.
 - Updation (Merit Lists/Tenders/ News / Events etc.)
 - Upgradation / Extension
- Online Admissions Portal
- Provision of internet to all offices and departments
- Library Services
 - Training on Library Software's to the Library Staff
- Software Solutions
 - Examination System Automation/ Exam Portal
 - Training on Exam Portal
 - Updation and Continuous Support on Exam Portal
 - Payroll Software System Deployment, Training and Support
- Verification of IT Equipment
- Official email address creation and configuration
- Video Conferencing Management
- Support in different online services to the faculty and students including Microsoft Teams /Zoom, Ehsaas Scholarship, etc.
- IT Support Services for Employees & Students



Future Plans

1. University's buildings, blocks and the new campus will be connected through a wireless connection to ensure the availability of PERN to all students and also access to all security cameras from the control room.
2. IT center will assist in launching the Digital Learning and skills Enrichment Initiative (DLSEI) by HEC to enrich the digital skills of students and to make them compatible with the world market demands.
3. IT Centre will make video conference room fully functional and up to the mark for any webinar, dissertation defense, online workshops, etc.
4. IT Centre will conduct the workshops and lectures by inviting the experienced professionals from the market for motivation and counseling of students.
5. IT Centre will look for Collaboration with different universities of Pakistan and outside world for the development of IT infrastructure in Women University.
6. IT Centre has the plan to establish an Incubation Centre for entrepreneurs.
7. IT Centre will assist to establish computer labs as per requirement of the Women University of Azad Jammu and Kashmir Bagh.

INFORMATION RESOURCE CENTRE

Staff Members

- | | | |
|----|---------------------------------|--------------------------|
| 1. | Mr. M. Wazir Khan Mughal | Library Inchrge |
| 2. | Kausar Bashir | Library Assistant |
| 3. | Sahrish Shahzadi | Library Assistant |
| 4. | Tahira Attiq | Library Assistant |



M. Wazeer Khan Mughal
Incharge, Library

Women University of AJ&K has established a state-of-the-art Information Resource Centre. This Centre encompasses two main libraries; one for Faculty of Science and Technology and the other serves the needs of Faculty of Arts and Social Science. The libraries are equipped with updated books, periodicals, research publications, General books, Fictions, Islamic Collection, and Reference material on diverse subjects. Total collection of books exceeds 8000. In order to provide the updates on current affairs, our Libraries regularly receive five newspapers. Our Information Resource Centre also offers the e-library services for students and faculty. The total numbers of e-books are 60000 having the variety of collections. The libraries have also been equipped with all the latest Information Communication Technologies (ICTs) such as Computers, Multimedia, Digital Cameras, photocopier and internet connectivity to facilitate the faculty/ students. Information Resource Centre provides two types of services; technical services and reader service.

Reader service is a service which involves suggesting fiction and nonfiction titles to a reader through direct or indirect means. This service is fundamental in a University library to cope with the needs of the users. Women University libraries execute the reader's services including the Open Access System, Circulation Service, Reference Service and E-Library.

Technical services are very important in any type of the library. These services are helpful in searching and retrieving the book from the library. Women University libraries execute the technical services including acquisition of material, accessing reference materials, adhering to the DDC, entering a book into a database and allotment of subject headings. The Women University libraries have the OPAC which is being maintained by the PASTIC.



Laboratories

The university has established state of the art laboratories of Sciences and Information Technology. Latest equipment have been purchased that make the labs technologically advanced. The students of WUAJ&K have access to new well equipped Science and IT lab well equipped for hands-on research. The students of WUAJ&K enjoy the learning experience with opportunities to interact face-to-face and virtually with other students.



Transport

The university has also strengthened the transport section. Currently, Seven (07) Buses, Two (02) High Roofs and one (01) Hiace are providing pick and drop facilities to students and staff. university is providing transport facilities at various routes of district Bagh. i.e Bagh to Arja, Birpan and Dhulli etc. Large number of students are availing this facility at various routes.



Hostel Facility

The Hostel facility is also provided under Directorate of Student Affairs. Two student hostels are operative at present within the premises of University. Each hostel has its own Warden with Hostel Supervisor who is supported by a junior clerk as well. The Hostel Supervisor is present 24 hours in the hostel's vicinity to look after students. The security of the hostels is ensured through the presence of the security guards on 24/7.

WUAJ&K is currently accommodating almost 200 students in two hostels. These hostels provide great learning environment and excellent facilities to the students. The rooms are well furnished and availability of electricity is ensured for 24/7. Maintenance of cleanliness is the top most priority of the university for which sanitary workers are full time available. Water filters are also placed for students. Moreover, the mess facility is available for students to have proper food in affordable amount. The mess is working in the interest of the students without profit orientation.



Blocks of WUAJ&K

Main Block

Main Block is located adjacent to the building of Govt. Girls Degree College Bagh. The main block of WUAJ&K is governing all the offices of the university. Vice Chancellor Secretariat and Registrar Office are located in this block. The sub-offices of Private Secretary to the Vice Chancellor, Public Relations Officer, Deputy Registrars and Assistant Registrars are located here. The Department of Chemistry and students' Hostel- 1 is also situated here. There is full security protection with the installation of barbed wire and walk through gates for ensuring security of students and employees. The Campus is fully furnished and equipped with electronic and internet facilities.



Social Sciences Block

Social Sciences Block is situated just 0.5 km away from the main block of university. It facilitates all the five departments of Faculty of Arts and Social Sciences along with Social Sciences Library. The office of the Dean, Faculty of Arts and Social Sciences, Department of Economics and Management Sciences, Department of Education, Department of English, Department of International Relations and History and Department of Sports Sciences are located in this block. There is full security protection and patrolling of escort.

Biological Sciences Block

Biological Sciences Block is located in the building of College of Education which is allocated to the university by the Government of Azad Jammu and Kashmir. The departments of Botany, Bio-Technology and Zoology are located in this block. The functional experimental labs are also situated here for the facilitation of the students. Video Conference room is also established in this building. Security of all the campuses and blocks of WUAJK are monitored by the Security officers through highly advanced equipment's which are installed for ensuring security measures at the institution.



The office of the Directorate of Student Affairs and Advanced Studies and Research Board (ASRB) are located next to the College of Education. Student Cafe is also operational in this campus with the combo of Eastern and Western food variety on reasonable prices. Hostel facility for 180 students and female staff is also available with all basic necessities in this block.

Physical Sciences (banni Passari) Block

A chunk of land measuring 2100 kanals in Banni Passari has been allocated for the construction of permanent buildings for the university. The site of Banni Passari is located at 3 km away from the main campus of university at Bagh-Arja Road. This Block is comprised of 30 rooms preliminary constructed to meet the immediate needs of the university. Currently, Department of Physics, Department of Mathematics and Department of Computer Sciences are functioning here. The university has provided fool-proof security arrangement, canteen and shuttle services for the students.



Administration Block

The Administration Block of university is situated near the Huda Bari Graveyard Bagh. The Examinations Department, Finance Department, Directorate of Planning, Quality Enhancement Cell, Director State Affairs are operational in this block. The block is fully escorted with barbed wire and walk through gates for ensuring security of the staff. The block is fully furnished and equipped with electronic and internet facilities.



Management



Dr. Muhammad Mushtaq
Dean Faculty of Arts and
Social Sciences



Dr. Kamal Hussain Khan
Dean Faculty of
Science & Technology



Dr. Syeda Saddiqa Firdous
Registrar



Sahibzada Muhammad Zahid
Director Finance & P&D



Dr. Sadia Mumtaz
Director of Academics



Dr. Shahid Iqbal
Director QEC



Dr. Sami Ullah
Director BASAR



Dr. Muhammad Naeem
Director ORIC



Dr. Syeda Shazia Khatoun
Director Student Affairs

FACULTY OF SCIENCES AND TECHNOLOGY

Following departments are functioning under the Faculty of Science and Technology:

- Department of Biotechnology
- Department of Botany
- Department of Chemistry
- Department of Computer Sciences
- Department of Mathematics
- Department of Physics
- Department of Zoology



DEAN

Dr. Kamal Hussain Khan
Dean Faculty of Science and
Technology

The Faculty of Sciences and Technology comprises the departments of Biotechnology, Botany, Physics, Chemistry, Computer Science, Mathematics, and Zoology. Being the first Women University of the state, it is dedicated to provide quality education to the female students of the state of AJ&K. This faculty endeavors to stimulate an atmosphere conducive to learning and research activities so as to attain academic excellence in higher education. Our young and highly qualified faculty is committed to inculcate scientific knowledge and skills in our students. We believe that after graduating from this prestigious institute, our students will be able to contribute to the socio-economic development of the state.

DEPARTMENT OF BIOTECHNOLOGY

Faculty Members

1. Dr. Sadia Mumtaz
2. Dr. Tahira Batool
3. Dr. Amjad Ali
4. Dr. Aman Ullah
5. Ms. Madiha Khalid (M.Phil)
6. Ms. Maliha Rasheed
7. Ms. Sumaiya Aftab, (M.Phil)
8. Ms. Raazia Khursid, (M.Phil)
9. Mr. Syed Zohaib Tayyab Gillani

Assistant Professor
Assistant Professor
Assistant Professor
Lecturer
Lecturer
Lecturer
Lecturer
Lecturer



Dr. Sadia Mumtaz
Head of Department

Introduction

Biotechnology, is one of a cutting-edge technology which can tackle the hurdles to achieve progress. Biotechnology enables the production and environment friendly products from plants, animals and microorganism; producing cost effective new pharmaceuticals; using more efficient disease diagnosis and treatment; effective criminal investigation methods etc. Considering the utmost importance of modern biotechnology, Women University of AJ&K Bagh established Department of Biotechnology in 2014 and have produced skilled graduates in the diverse arenas. The department currently has seven faculty members who work together with undergraduate, graduate, and post-graduate trainees to advance our scientific, educational and career goals. All the faculty members are hard-working; they are dedicated to the training and mentorship of the next generation of biotechnologists.

The department encourages innovation and inter-disciplinary programs in collaborations with other Departments/Institutes. We endeavor to help our students become independent researchers and become partners in high impact research enterprises.

Programs

1. BS Biotechnology
2. BS Microbiology
3. M.Phil Biotechnology

BS Biotechnology (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Course Titles	Credit	Course Codes	Course Titles	Credits
BT-3101	English-I (C)	3+0	BT-3201	English-II (C)	3+0
BT-3102	Pakistan Studies (C)	2+0	BT-3202	Islamic Studies/Ethics (C)	2+0
BT-3103	Mathematics-I (pre-calculus) (C)	3+0	BT-3203	Biomathematics (C)	3+0
BT-3104	Introduction to Biotechnology (F)	3+0	BT-3204	Molecular Biology (F)	3+0
BT-3105	Cell Biology (F)	2+1	BT-3205	Inorganic Chemistry (G)	2+1
BT-3106	Organic Chemistry (G)	2+1	BT-3206	Animal Biotechnology(F)	3+0
Total		17	Total		17

SEMESTER-III			SEMESTER-IV		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BT-4301	English-III (C)	3+0	BT-4401	Analytical Chemistry & Instrumentation (F)	2+1
BT-4302	Introduction to Computer Science (C)	2+1	BT-4402	Probability & Biostatistics (F)	3+0
BT-4303	Classical Genetics (F)	3+0		Any subject from Social Sciences (G)	3+0
BT-4304	BiochemistryI (F)	2+1	BT-4403	BiochemistryII (F)	2+1
BT-4305	Industrial Biotechnology	3+0	BT-4404	Microbiology(F)	2+1
BT-4306	Physical Chemistry (G)	3+0	BT-4405	Biological Physics (G)	3
Total		18	Total		18

SEMESTER-V			SEMESTER-VI		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BT-5501	Immunology (F)	3+0*	BT-5601	Genetic Resources & Conservation (F)	3+0
BT-5502	Methods in Molecular Biology (F)	2+1	BT-5602	Microbial Biotechnology (F)	3+0*
BT-5503	Bioinformatics (M)	1+2	BT-5603	Agriculture Biotechnology (M)	2+1
BT-5504	Principles of Biochemical Engineering (M)	2+1	BT-5604	Food Biotechnology (M)	3+0*
BT-5505	Ecology, Biodiversity & Evolution (G)	3+0		Elective-I	3+0
			BT-5605	Research Methodology & Skill Enhancement (M)	3+0
Total		15	Total		18

SEMESTER-VII			SEMESTER -VIII		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BT-6701	Health Biotechnology (M)	3+0*	Course Code	Course Title	Credits
BT-6702	Principles of Transgenic Research (M)	2+0*		Elective-III	3+0
BT-6703	Environment Biotechnology (M)	3+0*	BT-6801	Biosafety & Bioethics (C)	2+0
BT-6704	Genomics and Proteomics (M)	3+0	BT-6802	Weekly Seminar (M)/General Club	2+0
	Elective-II	3+0	BT-6803	Research Project Thesis/Review Report	8+0
BT-6705	Research Project OR Internship OR Special Paper (M)	3+0			
Total		17	Total		15

Total Credit Hours: 135

BS Microbiology (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Sr. no.	Course Title	Cr. Hr.	Sr. no.	Course Title	Cr.Hr.
1	ENGLISH-I	(2+ 1)	1	ENGLISH-II	(3+0)
2	PAKISTANSTUDIES	(2+ 1)	2	ISLAMIC STUDIES/ ETHICS	(2+0)
3	MATH-I	(2+ 1)	3	MATH/STAT -II/UNIV.OPTIONAL	(3+0)
4	GENERAL-I	(2+ 1)	4	GENERAL-III	(2+1)
5	GENERAL-II	(3+0)	5	GENERAL-IV	(2+1)
6	FOUNDATION-I	(3+0)	6	FOUNDATION -II	(2+2)
Total		(18+0)	Total		(18+0)

SEMESTER-III			SEMESTER-IV		
Sr. no.	Course Title	Cr.Hr.	Sr. no.	Course Title	Cr.Hr.
1	COMPUTERAPPLICATION	(3+0)	1	GENERAL-VII	(2+1)
2	GENERAL-V	(3+0)	2	GENERAL-VIII	(2+1)
3	GENERAL-VI	(3+0)	3	FOUNDATION -V	(2+1)
4	FOUNDATION -III	(2+2)	4	FOUNDATION -VI	(2+1)
5	FOUNDATION -IV	(2+1)	5	FOUNDATION -VII	(2+1)
Total		(16+0)	Total		(15+0)

SEMESTER-V			SEMESTER-VI		
Sr. no.	Course Title	Cr.Hr.	Sr. no.	Course Title	Cr.Hr.
1	FOUNDATION -VIII	(2+1)	1	FOUNDATION-X	(2+1)
2	FOUNDATION -IX	(2+1)	2	MAJOR-IV	(2+2)
3	MAJOR-I	(2+2)	3	MAJOR-V	(2+2)
4	MAJOR-II	(2+2)	4	MAJOR-VI	(2+1)
5	MAJOR-III	(2+1)	5	MAJOR-VII	(2+1)
Total		(17+0)	Total		(17+0)

SEMESTER-VII			SEMESTER-VIII		
Sr. no.	Course Title	Cr.Hr.	Sr. no.	Course Title	Cr.Hr.
1	MAJOR- VIII	(2+2)	1	ELECTIVE PAPER/ RESEARCHPROJ/ INTERNSHIP	(3+0)
2	MAJOR-IX	(2+1)	2	MAJOR-X	(2+1)
3	ELECTIVE-I	(2+1)	3	MAJOR-XI	(2+1)
4	ELECTIVE-II	(2+1)	4	ELECTIVE-III	(2+1)
5	ELECTIVE PAPER/ RESEARCH PROJ/ INTERNSHIP	(3+0)	5	ELECTIVE-IV	(2+1)
Total		(16+0)	Total		(15+0)

M.Phil Biotechnology (2 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Course Titles	Credits	Course Code	Course Title	Credits
BT-7101	Recombinant DNA Technology	3+0	BT-7201	Research Methods in Biotechnology	3+0
BT-7102	Modern Biotechnology: Principles and Applications	3+0	BT-7202	Genomics and Proteomics	3+0
	Elective I	3+0		Elective III	3+0
	Elective II	3+0		Elective IV	3+0
Total		12	Total		12

SEMESTER THREE & FOUR		
Course Code	Course Title	Credits
	Research Project/Thesis writing and defense, Journal Club	6+0
Total		6

TotalCreditHours=30



List of Elective Courses

Course Code	Name of Subject	Credits	Course Code	Name of Subject	Credits
BT-N*	Biostatistics & Laboratory Mathematics	3+0	BT-N*	Human Molecular Genetics	3+0
BT-N*	Advances in Environmental Biotechnology	3+0	BT-N*	Cell signaling	3+0
BT-N*	Pharmaceutical Biotechnology	3+0	BT-N*	Enzyme Technology	3+0
BT-N*	Computational Biology/Bioinformatics	3+0	BT-N*	Agriculture Biotechnology	3+0
BT-N*	Biochemical Techniques	3+0	BT-N*	Animal Biotechnology	3+0
BT-N*	Nano-biotechnology	3+0	BT-N*	Medical Biotechnology	3+0
BT-N*	Advances in Molecular Biology	3+0	BT-N*	Advanced Immunology	3+0
BT-N*	Molecular Plant Breeding	3+0	BT-N*	Advances in Genomics	3+0
BT-N*	Bioprocessing	3+0	BT-N*	Proteomics And Metabolomics	3+0
BT-N*	Food Biotechnology	3+0	BT-N*	Plant Morphogenesis	3+0
BT-N*	Molecular Plant Pathology	3+0	BT-N*	Forensic Science	3+0
BT-N*	Biodegradation	3+0	BT-N*	Industrial Biotechnology	3+0
BT-N*	Environmental Health & Medicine	3+0	BT-N*	Marine Biotechnology	3+0
BT-N*	Solid Waste Management	3+0	BT-N*	Cell and tissue Culture	3+0
BT-N*	Water And Waste Water Treatment Processes	3+0	BT-N*	Quantitative Genetics	3+0
BT-N*	Ethnobotany	3+0	BT-N*	Analytical Techniques	3+0
BT-N*	Computational Biology	3+0	BT-N*	Advanced Microbiology	3+0

DEPARTMENT OF BOTANY

Faculty Members

- | | |
|--------------------------------------|--------------------------|
| 1. Dr. Syeda Sadiqa Firdous | Associate Professor |
| 2. Dr. Samiullah Khan | Assistant Professor |
| 3. Dr. Shoaib Amjad | Assistant Professor |
| 4. Dr. Faiza Altaf | Assistant Professor |
| 5. Dr. Asia Bibi | Assistant Professor |
| 6. Dr. Syed Mubashar Hussain Gardazi | Assistant Professor (ES) |
| 7. Dr. Nohseen Azhar | Assistant Professor |
| 8. Dr. Syeda Shazia Khatoon | Assistant Professor |
| 9. Ms. Zakia Benish, (M.Phil) | Lecturer |
| 10. Mr. Saeed Khalil, (M.Phil) | Lecturer |



Dr. Syeda Sadiqa Firdous
Head of Department

The Department of Botany is one of the leading departments in the University in terms of its highly qualified faculty and research promoting facilities. Our aim is to achieve excellence through providing quality education in Basic and Applied subjects of Botany and to produce skilled, professional female scholars to handle multidimensional challenges of existing market demands. To achieve this commitment, we continually improve the effectiveness of our quality management system through human resource development and active faculty/student participation in the department. Department of Botany is blessed with a very talented and highly qualified faculty, having their PhD's from well reputed Institutions of Pakistan. The department imparts rigorous and quality-based research in all areas of Botany like Molecular Biology, Plant

Ecology, Plant Physiology & Biochemistry, Biodiversity and Conservation, Environmental Biology, Plant Taxonomy and Systematics, Mycology & Plant Pathology. Presently we run BS, MSC and M.Phil Programs. Recently department of Botany has initiated BS 4 years program in Environmental Sciences (BSES). BS in Environmental Science is an integrated program supervised by the Department of Botany. It is a pioneer degree program in Environmental Sciences throughout Azad Jammu and Kashmir. The program is managed by the core faculty of Botany in support with the allied departments like Zoology, Chemistry and Biotechnology. The program is designed to provide a fundamental and comprehensive knowledge of Biological and Natural sciences to address the current and potential environmental problems. The program is designed to equip our new generation with modern research techniques that help in understanding the issues, and arrive at solutions to the pressing societal problems.



Programs

1. BS Botany
2. BS Environmental Sciences
3. M.Phil Botany
4. Ph.D Botany

BS Botany (4 Years)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BOT-3101	English-I (C)	(3+0)	BOT-3201	English-II (C)	(3+0)
BOT-3102	Pakistan Studies (C)	(2+0)	BOT-3202	Islamic Studies/Ethics (C)	(2+0)
BOT-3103	Mathematics (C)	(3+0)	BOT-3203	Biostatistics(C)	(3+0)
BOT-3104	Diversity of Plants (F)	(3+1)	BOT-3204	Plant Systematics, Anatomy and Development (F)	(3+1)
BOT-3105	Principle of Animal Life I (G)	(2+1)	BOT-3205	Organic Chemistry (G)	(2+1)
BOT-3106	Inorganic Chemistry (G)	(2+1)	BOT-3206	Principle Of Animal Life II (G)	(2+1)
Total		18	Total		18

SEMESTER-III			SEMESTER-IV		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BOT-4301	English-III (C)	(3+0)	BOT-4401	English IV (C)	(3+0)
BOT-4302	Introduction to Computer (C)	(2+1)	BOT-4402	Plant Physiology and Ecology (F)	(3+1)
BOT-4303	Cell Biology and Genetics (F)	(3+1)	BOT-4403	Biodiversity and Conservation (F)	(3+1)
BOT-4304	Environmental Chemistry (G)	(3+0)	BOT-4404	Animal Diversity of Chordates (G)	(2+1)
BOT-4305	Animal Diversity of Invertebrates (G)	(2+1)	BOT-4405	Applied Chemistry (G)	(2+0)
BOT-4306	Kashmir Studies (C)	(3+0)			
Total		19	Total		16

SEMESTER-V			SEMESTER-VI		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BOT-5501	Cell Biology (F)	(2+1)	BOT-5601	Plant Anatomy (F)	(2+1)
BOT-5502	Mycology (M)	(2+1)	BOT-5602	Plant Biochemistry I (M)	(2+1)
BOT-5503	Plant Ecology I (F)	(2+1)	BOT-5603	Molecular Biology (M)	(2+1)
BOT-5504	Plant Taxonomy and Systematics (F)	(2+1)	BOT-5604	Genetics I (M)	(2+1)
BOT-5505	Plant Biotechnology (M)	(2+1)	BOT-5605	Plant and Cell Physiology I (M)	(2+1)
BOT-5506	Field Botany-I	(0+1)	BOT-5506	Field Botany-II	(0+1)
Total		16	Total		16

SEMESTER-VII			SEMESTER-VIII		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
BOT-6701	Plant Ecology II (M)	(2+1)	BOT-6801	Plant and Cell Physiology II (M)	(2+1)
BOT-6702	Plant Biochemistry II (M)	(2+1)	BOT-6802	Genetics II (M)	(2+1)
BOT-6703	Diversity Of Vascular Plants (F)	(2+1)	BOT-6803	Environmental Biology (M)	(2+1)
BOT-6704	Phycology and Bryology (M)	(2+1)	BOT-6804	Bacteriology and Virology (F)	(2+1)
BOT-6705	Plant pathology (M)	(2+1)	BOT-6805	Thesis (Assigned in 7th semester and assessed in 8th semester)	(0+6)
BOT-6805	Thesis (Assigned in 7 th semester and assessed in 8 th semester)			*Elective-II (Non- Thesis Students)	(3+0)
	*Elective-I (Non- Thesis Students)	(3+0)			
Total		18	Total		15

*: Non thesis students are required to opt two option courses in lieu of thesis from the list of elective courses.

BS Environmental Sciences (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
ES-3101	English-I (C)	(3+0)	ES-3201	English-II (C)	(3+0)
ES-3102	Pakistan Studies (C)	(2+0)	ES-3202	Islamic Studies/Ethics (C)	(2+0)
ES-3103	Essentials of Mathematics (C)	(3+0)	ES-3203	Statistics (C)	(2+1)
ES-3104	Introduction to Environmental Science (F)	(3+0)	ES-3204	Introduction to Earth Sciences (F)	(3+0)
ES-3105	Essentials of Biology (G)	(2+1)	ES-3205	Fundamentals of Ecology (F)	(3+0)
ES-3106	Essentials of Chemistry (G)	(2+1)	ES-3206	Introductory Economics (G)	(3+0)
Total Credit Hours in Semester		17 (15+2)	Total Credit Hours in Semester		17 (15+2)

SEMESTER-III			SEMESTER-IV		
Course Codes	Course Title	Credits	Course Codes	Course Titles	Credits
ES-4301	English-III (C)	(3+0)	ES-4401	Environmental Pollution (F)	(3+0)
ES-4302	Introduction to Computer (C)	(3+0)	ES-4402	Environmental Microbiology (F)	(2+1)
ES-4303	Environmental Physics (F)	(2+1)	ES-4403	Biodiversity and Conservation (M)	(2+1)
ES-4304	Environmental Chemistry (F)	(3+0)	ES-4404	Wildlife of Pakistan (G)	(3+0)
ES-4305	International Relations (G)	(3+0)	ES-4405	Sociology (G)	(3+0)
ES-4306	Kashmir Studies (C)	(3+0)	ES-4406	International Politics of Environment (G)	(3+0)
Total Credit Hours in Semester		18 (17+1)	Total Credit Hours in Semester		18 (16+2)

SEMESTER-V			SEMESTER-VI		
Course Codes	Course Title	Credits	Course Codes	Course Titles	Credits
ES-5501	Environmental Profile of Pakistan (F)	3 (3+0)	ES-5601	Population and Environment (F)	3 (3+0)
ES-5502	Analytical Techniques in Environmental Science (F)	3 (1+2)	ES-5602	Environmental Monitoring (M)	3 (2+1)
ES-5503	Applied Ecology (M)	3 (2+1)	ES-5603	Pollution Control Technologies (M)	3 (2+1)
ES-5504	Climate Change (M)	3 (3+0)	ES-5604	Environmental Governance (M)	3 (3+0)
ES-5505	GIS and RS (M)	3 (2+1)	ES-5506	Public Health and Environment (M)	3 (3+0)
ES-5506	Natural Resource Management (M)	3 (3+0)			
Total Credit Hours in Semester		18 (14+4)	Total Credit Hours in Semester		15 (13+2)

SEMESTER-VII			SEMESTER-VIII		
Course Codes	Course Titles	Credits	Course Codes	Course Titles	Credits
ES-6701	Research Methods in Environmental Science (F)	(2+1)	ES-6801	Environmental Biology (M)	(2+1)
ES-6702	Environmental Impact Assessment (M)	(2+1)		Elective III (M)	(3+0)
ES-6703	Environmental Management System (M)	(2+1)		Elective IV (M)	(3+0)
	Elective I (M)	(3+0)	ES-6805	Final Year Project (FYP)	6
Total Credit Hours in Semester		15 (12+3)	Total Credit Hours in Semester		15
Total Credit Hours in BS Degree			133(117+16)		

M.Phil & Ph.D. Programs

M.Phil.	Ph.D.
Duration: 4 -6 Semesters	Duration: 6 -10 Semesters
Total Credits: 30	Taught Courses: 18 Credit hours
Taught Courses: 24	Comprehensive Examination: Compulsory
Research Thesis: 06	Research Thesis: 24 Credit Hours

List of Courses for M.Phil/Ph.D.

Course Codes	Course Title	Credit Hrs.	Course Codes	Course Title	Credit Hrs.
BOT- 701	Fungal Systematics	3	BOT- 763	M. Phil Thesis	6
BOT- 702	Plant Microbe Interaction	3	BOT- 764	Ph.D. SeminarCompulsory	0
BOT- 703	Advanced Techniques in Molecular Biology	3	BOT- 765	Ph.D Thesis	24
BOT- 704	Advanced Phytosociology	3	BOT- 766	Environmental Biotechnology	3
BOT- 705	Biological Nitrogen Fixation	3	BOT- 767	Solid Waste Management	3
BOT- 706	Methods in Plant Cell, Tissue and Organ Culture	3	BOT- 768	Environmental Impact Assessment	3
BOT- 707	Biotechnology for Sustainable Development	3	BOT- 769	Advances in Plant Ecology	3
BOT- 708	Applied Ethnobotany	3	BOT- 770	Seed Pathology	3
BOT- 709	Plant Breeding and Genetics	3	BOT- 771	Urban Plant Pathology	3
BOT- 710	Research Techniques and Instrumentation	3	BOT- 772	Plant Quarantine and Sanitary and Phytosanitary Measures	3
BOT- 711	Fungal Biotechnology	3	BOT- 773	Advances in Plant Pathology	3
BOT- 712	Dendrochronology	3	BOT- 774	Molecular Plant Virology	3

BOT- 713	Advanced Plant Anatomy	3	BOT- 775	Molecular PlantMicrobe Interaction	3
BOT- 714	Research Planning & Management	3	BOT- 776	Climate Change Effects and Mitigation	3
BOT- 715	Chemotaxonomy and Advanced Plant Systematics	3	BOT- 777	Biodegradation	3
BOT- 716	Microbial Biotechnology	3	BOT- 778	Bioethics	3
BOT- 717	Plant Growth and Development	3	BOT- 779	Biosafety and Biosecurity	3
BOT- 718	Phytoremediation	3	BOT- 780	Post-Harvest Pathology	3
BOT- 719	Ecosystem Services	3	BOT- 781	Integrated Plant Disease Management	3
BOT- 720	Fermentation Biotechnology	3	BOT- 782	Biological Control of Plant Pathogens	3
BOT- 721	Plant Neutraceutic	3	BOT- 783	Agriculture Biotechnology	3
BOT- 722	Advances in Medicinal and Aromatic Plants	3	BOT-784	Biodiversity and Genetic Resources	3
BOT- 723	Forest and Shade Tree Pathology	3	BOT-785	Phytogeography of Kashmir	3
BOT- 724	Proteomics and Genomics	3	BOT-786	Forensic Botany	3
BOT- 725	Experimental Designs and Computer Application	3	BOT-787	Advances in Lichenology	3
BOT- 726	Anatomy and Wood Formation	3	BOT- 736	Advances in Cell Biology	3
BOT- 727	Agrostology	3	BOT- 737	Mycorrhizae in Agriculture	3
BOT- 728	Allelopathy	3	BOT- 738	Ornamental-Plant Husbandary	3
BOT- 729	Advanced Plant Physiology	3	BOT- 739	Natural Resource Management & Sustainable development	3
BOT- 730	Advances in Biotechnology	3	BOT- 740	Economic -	3
BOT- 731	Genetic Engineering	3	BOT- 741	Phenarogams-I	3
BOT- 732	Plant Cellular Signaling	3	BOT- 742	Phenarogams-II	3

BOT- 733	Weed Ecology	3	BOT- 743	Advances in Environmental Biology	3
BOT- 734	Fungal Ecology	3	BOT- 744	Plant Enzymology	3
BOT- 735	Fungal Biodeteriorations and Biodegradation	3	BOT- 745	Laboratory Techniques in Plant Sciences	3
BOT- 756	Geographic Information System (GIS)	3	BOT- 746	Nitrogen Metabolisms in Plants	3
BOT- 757	Bioinstrumentation	3	BOT- 747	Advances in Microbiology	3
BOT- 758	Biosystematics	3	BOT- 748	Advanced Phycology	3
BOT- 759	Advanced Bioinformatics	3	BOT- 749	Advances in Phytosociology	3
BOT- 760	Wild Plants and their Economic use	3	BOT- 750	Phytohormones and Plant Growth	3
BOT- 761	Advances in Biodiversity and Conservation	3	BOT- 751	Recombinant DNA Technology	3
BOT- 762	Special Problem	1	BOT- 752	Soil Fertility and Plant Nutrition	3
BOT- 754	Soil Plant Relationship	3	BOT- 753	Soil Microbiology and Biochemistry	3
BOT- 755	Soil and Water Conservation	3			

DEPARTMENT OF CHEMISTRY

Faculty Members

- | | | |
|-----|-----------------------|---------------------|
| 1. | Dr. Ashfaq Ahmad Khan | Assistant Professor |
| 2. | Dr. Bilal Ahmad Khan | Assistant Professor |
| 3. | Dr. Ijaz Ahmed Khan | Assistant Professor |
| 4. | Dr. Ikhtiar Ahmad | Assistant Professor |
| 5. | Dr. Lubna Ghani | Assistant Professor |
| 6. | Dr. Rashida Fiaz | IPFP Fellow |
| 7. | Mr. Abdul Majid Khan | Lecturer |
| 8. | Miss Amna Munsif | Lecturer |
| 9. | Miss Saiqa Yousaf | Lecturer |
| 10. | Miss Munira Khalid | Lecturer |



Dr. Ashfaq Ahmad Khan
Head of Department

Introduction

The Department of Chemistry is one of the leading departments of sciences in terms of students' intake. It has highly experienced and qualified Faculty, well equipped laboratories, good quality library and furnished classrooms. It offers BS, , M.Phil. and Ph.D. degree programs under strict adherence to the HEC quality standards. The main focus of BS program is to develop the theoretical and experimental skills in fundamental areas of Chemistry i.e. Inorganic, Organic, Biochemistry and Physical Chemistry. The department aims to provide students with the knowledge of applied courses, e.g. Applied Chemistry, Instrumental Techniques, Spectroscopy and Nanotechnology.

The M. Phil and PhD students are expected to carry out original research work under the supervision of a faculty member from the Department. The Department of Chemistry is equipped with many state-of-the-art research facilities and has active collaboration with several universities and national research institutes, such as University of Agriculture Faisalabad, PIEAS Islamabad, and NCP Islamabad. The PhD program aims to train highly skilled researchers with capability to carry out independent research work for the development of the country.

Programs

1. BS Chemistry
2. M.Phil Chemistry
3. Ph.D Chemistry

BS Chemistry (4 Year)

Semester Wise Breakup

SEMESTER-I				SEMESTER-II			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
		Theory	Lab			Theory	Lab
Chm-3101	Introduction to Inorganic Chemistry	3	1	Chm-3201	Introduction to Organic Chemistry	3	1
Bot-3102	Diversity of Plants	2	1	Bot-3202	Plant Systematic	2	1
Zoo-3103	Principles of animal life I	2	1	Zoo-3203	Principles of animal life II	2	1
Math-3104	Mathematics-I	3	0	Math-3204	Mathematics- II	3	0
Comp-3105	Computer Applications	3	0	Gen-3205	Islamic Studies/ Ethics	2	0
Eng-3106	English-I (Functional)	3	0	Eng-3206	English-II (Functional)	3	0
Total		16	3	Total		15	3

SEMESTER-III				SEMESTER-IV			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
		Theory	Lab			Theory	Lab
Chm-4301	Introduction to Biochemistry	2	1	Chm-4401	Introduction to Physical Chemistry	3	1
Chm-4302	Applied Chemistry	2	0	Chm-4402	Analytical Chemistry	2	1
Chm-4303	Introduction to Environmental Chemistry	2	0	Zoo-4403	Animal Diversity: Chordates	2	1
Bot-4304	Cell Biology, Genetics and Evolution	2	1	Bot-4404	Plant Physiology and Ecology	2	1
Zoo-4305	Animal Diversity: Invertebrates	2	1	Eng-4405	English-IV (Advanced Academic Reading and Writing)	3	0
Eng-4306	English-III (Technical writing and presentation skills)	3	0	Gen-4406	Pakistan Studies	2	0
Total		13	3	Total		14	4

SEMESTER-V				SEMESTER-VI			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
		Theory	Lab			Theory	Lab
Chm-5501	Physical Chemistry I	3	1	Chm-5601	Physical Chemistry II	3	1
Chm-5502	Organic Chemistry I	3	1	Chm-5602	Organic Chemistry II	3	1
Chm-5503	Inorganic Chemistry I	3	1	Chm-5603	Inorganic Chemistry II	3	1
Chm-5504	Biochemistry I	3	1	Chm-5604	Biochemistry II	3	1
Stat-5505	Applied Statistics	3	0	Gen-5605	Foundation of Teachings/ Skill Development and Career Counseling	2	0
Total		15	4	Total		14	4

Semester-VII (Specialization in Physical Chemistry)				SEMESTER-VII (Specialization in Inorganic Chemistry)			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
Offer any three courses other than Lab, Elective course and Literature Survey		Theory	Lab	Offer any three courses other than Lab, Elective course and Literature Survey		Theory	Lab
Chm-6701	Electrochemistry	3	0	Chm-6714	Coordination Chemistry	3	0
Chm-6702	Polymer Chemistry	3	0	Chm-6715	Pi- acceptor ligands and Inorganic Polymers	3	0
Chm-6703	Advanced Quantum Chemistry	3	0	Chm-6716	Inorganic Spectroscopy	3	0
Chm-6704	Surface chemistry	3	0	Chm-6717	Instrumental Methods	3	0
Chm-6705	Solution Chemistry	3	0	Chm-6718	Environmental Chemistry	3	0
Chm-6706	Physical Lab-III	0	3	Chm-6719	Advanced Separation Techniques	3	0
	Elective Course-I (other than the field of specialization)	3	0	Chm-6720	Inorganic Lab-III	0	3
Chm-6707	Literature Survey	1	0		Elective Course-I (other than the field of specialization)	3	0
				Chm-6707	Literature Survey	1	0
Total		13	3	Total		13	3



Semester-VII (Specialization in Organic Chemistry)				SEMESTER-VII (Specialization in Biochemistry)			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
Offer any three courses other than Lab, Elective course and Literature survey		Theory	Lab	Offer any three courses other than Lab, Elective course and Literature Survey		Theory	Lab
Chm-6708	Fundamentals of Heterocyclic Chemistry	3	0	Chm-6721	Biomedical Chemistry	3	0
Chm-6709	Fundamentals of Organometallic Compounds	3	0	Chm-6722	Molecular Biology	3	0
Chm-6710	Fundamentals of Reactive Intermediates	3	0	Chm-6723	Physical Techniques in Biochemistry	3	0
Chm-6711	Organic Reaction Mechanism-I	3	0	Chm-6724	Physiological Biochemistry	3	0
Chm-6712	Organic Spectroscopy-I	3	0	Chm-6725	Animal and Plant Biotechnology	3	0
Chm-6713	Organic Lab-III	0	3	Chm-6726	Biochemistry Lab III	0	3
	Elective Course-I (other than the field of specialization)	3	0		Elective Course-I (other than the field of specialization)	3	0
Chm-6707	Literature Survey	1	0	Chm-6707	Literature Survey	1	0
Total		13	3	Total		13	3



Semester-VIII (Specialization in Physical Chemistry)				SEMESTER-VIII (Specialization in Organic Chemistry)			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
Offer any four courses other than Elective course without Research Thesis / Advanced Lab OR offer any three courses other than Elective course with Research Thesis / Advanced Lab		Theory	Lab	Offer any four courses other than Elective course without Research Thesis / Advanced Lab OR offer any three courses other than Elective course with Research Thesis / Advanced Lab		Theory	Lab
Chm-6827	Chemical Kinetics	3	0	Chm-6833	Natural Products	3	0
Chm-6828	Photochemistry	3	0	Chm-6834	Organic Synthesis	3	0
Chm-6829	Nuclear Chemistry	3	0	Chm-6835	Medicinal Chemistry	3	0
Chm-6830	Colloids	3	0	Chm-6836	Organic Reaction Mechanism-II	3	0
Chm-6831	Physical aspects of Molecular Spectroscopy	3	0	Chm-6837	Organic Spectroscopy-II	3	0
	Elective Course-II (other than the field of specialization)	3	0		Elective Course-I (other than the field of specialization)	3	0
Chm-6832	Research Thesis / Advanced Lab	0	3	Chm-6832	Research Thesis / Advanced Lab	0	3
Total		15 + 0 OR 12 +3		Total		15+0 OR 12 +3	

Semester-VIII (Specialization in Inorganic Chemistry)				SEMESTER-VIII (Specialization in Biochemistry)			
Course Code	Course Title	Credit hours		Course Code	Course Title	Credit hours	
Offer any four courses other than Elective course without Research Thesis / Advanced Lab OR offer any three courses other than Elective course with Research Thesis / Advanced Lab		Theory	Lab	Offer any four courses other than Elective course without Research Thesis / Advanced Lab OR offer any three courses other than Elective course with Research Thesis / Advanced Lab		Theory	Lab
Chm-6838	Organometallics Chemistry	3	0	Chm-6843	Microbiology and Immunology	3	0
Chm-6839	Symmetry and Magnetochemistry	3	0	Chm-6844	Bionanotechnology	3	0
Chm-6840	Radiochemistry	3	0	Chm-6845	Nutritional Chemistry	3	0
Chm-6841	Bio-coordination chemistry	3	0	Chm-6846	Clinical Biochemistry	3	0
Chm-6842	Elementary group theory	3	0	Chm-6847	Clinical Pharmacology	3	0
	Elective Course-I (other than the field of specialization)	3	0		Elective Course-I (other than the field of specialization)	3	0
Chm-6832	Research Thesis / Advanced Lab	0	3	Chm-6832	Research Thesis / Advanced Lab	0	3
Total		15 + 0 OR 12 + 3		Total		15 + 0 OR 12 + 3	

M.Phil Chemistry (2 Year)

Semester	Credit Hours		
	Theory	Lab	Total
1 st	12	0	12
2 nd	12	0	12
3 rd	Research and thesis		06
4 th			
Total			30

Ph.D. Program in Chemistry

Semester	Credit Hours		
	Theory	Lab	Total
1 st	9	0	9
2 nd	9	0	9
3 rd - 6 th	Research and thesis		12
Total			30

Detail of Courses for M.Phil and Ph.D

Course. Code	Course Title	Credit hours	Course Code	Course Title	Credit hours
Physical Chemistry Courses		Theory	Organic Chemistry Courses		Theory
Chm-701	Physical Chemistry of High Polymers	3	Chm-712	Advance spectroscopy	3
Chm-702	Biophysical Chemistry	3	Chm-713	Synthetic application of named reactions	3
Chm-703	Advanced Nuclear and Radiation Chemistry	3	Chm-714	Natural Product Chemistry	3
Chm-704	Advanced Chemical Kinetics	3	Chm-715	Advanced Heterocyclic compounds	3
Chm-705	Advanced Surface Chemistry	3	Chm-716	Phytochemical Techniques	3
Chm-706	Magnetic Resonance Spectroscopy	3	Biochemistry Courses		
Chm-707	Advanced Solution Chemistry	3	Chm-717	Advance Enzymology	3
Chm-708	Advanced Photochemistry	3	Chm-718	Food Biochemistry	3
Chm-709	Chemistry of Advanced Composite Materials	3	Chm-719	Composite & structure of protein and their physiological role	3
Chm-710	Catalytic Reactions	3	Chm-720	Carbohydrate structure and metabolism	3
Chm-711	Recent Advances in Physical Chemistry	3	Chm-721	Lipids chemistry and metabolism	3
Chm-722	Enzyme	3			
Chm-751	Advanced Separating technique	3	Chm-723	Biological oxidation	3
Chm-752	Analysis and characterization of Polymer	3	Chm-724	Storage and expression of genetic information	3
Chm-753	Chemistry of Nanoparticles	3	Chm-725	Biochemistry of endocrine system	3
Chm-754	InorganicElectronic Spectroscopy	3	Chm-726	Biochemical techniques	2+1
Biochemistry Courses			Chm-727	Clinical pharmacology	3
Chm-738	Gene expression and regulation	3	Chm-728	Cell biology	3
Chm-739	Kallikreins	3	Chm-729	Immunology	3
Chm-740	Metabolic regulation	3	Chm-730	Research methodology and scientific writing	3
Chm-741	Metabolomics	3	Chm-731	Computer for chemists	3
Chm-742	Protomics	3	Chm-732	Advances in clinical biochemistry	3

Chem-743	RNA Processing	3	Chm-733	Biochemistry of disease	3
Chm-744	Lab technique in biochemistry	3	Chm-734	Plant biotechnology	3
Chem-745	Biostatistics	3	Chm-735	Transcriptomics	3
Chm-746	Technique in molecular biology	3	Chm-736	Fermentation and biotransformation	3
Chm-747	Medicinal chemistry I	3	Chm-737	Fundamentals of molecular biology	3
Chm-748	Principal of pharmacology	3	Chm-750	Medicinal chemistry II	3
Chm-749	Systematic pharmacology	3			

ALLIED COURSES

Course Codes	Course Titles	Credit Hours	
		Theory	Lab
Stat-755	Experimental Design1	3	0



DEPARTMENT OF COMPUTER SCIENCES & INFORMATION TECHNOLOGY

Faculty Members

- | | |
|------------------------------------|----------------------|
| 1. Dr. Gohar Rehman Chughtai, | Assistant Professor |
| 2. Dr. Shahid Iqbal, | Assistant Professor, |
| 3. Ms. Syeda Uzma Gardazi, | Lecturer |
| 4. Mr. Anees Qumar Abbasi | Lecturer |
| 5. Ms. Fouzia Sher Akbar, (M.Phil) | Lecturer |
| 6. Ms. Juwaria Shafique. (M.Phil) | Lecturer |
| 7. Mr. Waqas Arif, (M.Phil) | Lecturer |
| 8. Ms. Irrum Shafique, (M.Phil) | Lecturer |
| 9. Mr. Aamir Aziz But, (M.Phil) | Lecturer |



Dr. Gohar Rehman
Head of Department

Introduction

The Department of Computer Sciences & Information Technology was started in 2014 with the start of university. For Computer Scientists the current era is full of excitement and challenges as the discipline is now widely recognized to be an essential source of tools and techniques for advancements in nearly all spheres of human endeavor. Information Technology/ Computer Science is a fascinating subject, and one that is now indispensable in our lives.

Almost every aspect of modern life involves computing – from mobile phones, TVs, planes, trains and cars, to gaming, security and medicine. Every organization's payroll, customer records and finances are held electronically, sometimes containing millions and millions of records.

Keeping in mind the absolute dependence of the contemporary world requirements over Information technology, the program offered by the department is tailored towards producing computer scientists capable of achieving new heights in innovation and enhancement of technology to provide the world an even better tomorrow. Our program is accredited by the Higher Education commission and to achieve excellence we strictly follow the standard curriculum guidelines as laid down by the HEC.

Programs

1. BS Computer Sciences
2. BS Data Science



BS Computer Sciences (4 Year)

Semester Wise Breakup

SEMESTER-I				SEMESTER-II			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS - 3101	Programming Fundamentals	3	1	CS - 3201	Object Oriented Programming	3	1
PHY - 3102	Applied Physics	3	0	CS - 3202	Discrete Structures	3	0
ENG - 3103	English Composition & Comprehension	3	0	MAT - 3203	Calculus & Analytic Geometry	3	0
CS - 3106	Introduction to Information & Communication Technologies	3	0	ENG - 3204	Communication Skills & Report Writing	3	0
MGT - 3107	Principles of Accounting	3	1	MGT - 3205	Principles of Management	3	0
-----	Pakistan Studies/ Islamic Studies	2	0	CS - 3206	Digital Logic & Design	3	1
Total		17	2			18	2

SEMESTER-III				SEMESTER-IV			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS - 4301	Data Structures & Algorithms	3	1	CS - 4401	Database Systems	3	1
CS - 4302	Software Engineering	3	0	CS - 4404	Computer Organization and Assembly Language	3	1
CS - 4W10	CS-Elective Courses-I (Data Communications)	3	0	CS - 4405	Theory of Automata and Formal Languages	3	0
MAT - 4307	Differential Equations	3	0	CS - 4402	Computer Networks	3	1
-----	Pakistan Studies/ Islamic Studies	2	0	MAT - 4403	Linear Algebra	3	0
-----	UE-III	3	0	-----	Graph Theory/ Theory of Programming Languages	3	0
Total		17	1	Total		18	3

SEMESTER-V				SEMESTER-VI			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS - 5501	Operating Systems	3	1	-----	Multivariate Calculus/ Numerical Computing	3	0
-----	CS-Elective Courses-II	--	--	CS - 5601	Compiler Construction	3	0
SS - 5503	Professional Practices	3	0	CS - 5602	Artificial Intelligence	3	1
CS - 5504	Design and Analysis of Algorithms	3	0	-----	CS-Elective Courses IV	--	--
SAT-5502	Probability & Statistics	3	0	CS - 4W12	CS-Elective Courses-V (Web Design & Development)	2	1
CS- 5W06	CS-Elective Courses-III (Computer Graphics)	2	1	CS - 5W08	CS-Elective Courses VI (Data Warehousing)	3	0

SEMESTER-VII				SEMESTER-VIII			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS - 6701	FYP Part-I	--	2	CS - 6801	FYP Part-II	--	4
CS - 6702	Information Security	3	0	ARA - 6802	Arabic	3	0
CS - 6703	Parallel & Distributed Computing	3	0	-----	Psychology/ Introduction to International Relations	3	0
CS - 6W08	CS-Elective Courses -VII (Data Mining)	2	1	-----	Internship/Practical Training	S/U Basis	
-----	CS-Elective Courses -VIII	--	--	-----	Social Service	S/U Basis	

BS Data Science (4 Year)

Eligibility Requirements

- The minimum requirements for admission in a Bachelor degree program in Data Science is at least 50% or above marks in the Intermediate (HSSC) or equivalence exam with science background.
- No third division in the academic career.
- Students, who doesn't have mathematics as major subject in intermediate, must pass deficiency courses of Mathematics of 6 credit hours within one year of their regular studies. These 6 credit will not be counted in regular degree credit hours.
- The university entrance test is mandatory

Semester Wise Course Breakdown

SEMESTER-I				SEMESTER-II			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS-3101	Programming Fundamentals	3	1	CS - 3201	Object Oriented Programming	3	1
ENG-3103	English Composition & Comprehension	3	0	CS - 3202	Discrete Structures	3	0
CS - 3106	Introduction to Information & Communication Technologies	3	1	MAT- 3203	Calculus & Analytic Geometry	3	0
MGT - 3107	Principles of Accounting	3	0	ENG - 3204	Communication Skills & Report Writing	3	0
PHY - 3102	Pakistan Studies/ Islamic Studies	2	0	MGT - 3205	Principles of Management	3	0
				CS - 3206	Digital Logic & Design	3	1
Total		14	2			18	2

SEMESTER-III				SEMESTER-IV			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS - 4301	Data Structures & Algorithms	3	1	CS - 4401	Database Systems	3	1
DS - 4308	Introduction to Data Science	2	0	CS - 4404	Computer Organization and Assembly Language	3	1
MAT - 4403	Linear Algebra	3	0	SAT-5502	Probability & Statistics	3	0
MAT- 4307	Differential Equations	3	0	CS - 4402	Computer Networks	3	1
-----	Pakistan Studies/ Islamic Studies	2	0	DS - 4406	Big Data Analytics	2	1
CS - 4302	Software Engineering	3	0	DSE - 4405	Theory of Automata & Formal Languages	3	0
		16	1			17	4

SEMESTER-V				SEMESTER-VI			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
DS-5506	Data Warehousing & Business Intelligence	3	0	DS - 5601	Data Mining	3	1
DS - 5507	Data Visualization	3	1	CS - 5602	Artificial Intelligence	3	1
CS - 5501	Operating System	3	1	-----	DS-Elective Courses -II	--	--
CS - 5504	Design and Analysis of Algorithms	3	0	-----	DS-Elective Courses -III	--	--
DS-5505	Advanced Statistics	3	0	-----	University Elective	--	--
SS - 5503	Professional Practices	3	0				
		18	2			6	2

SEMESTER-VII				SEMESTER-VIII			
CODE	COURSE TITLE	Credit Hrs		CODE	COURSE TITLE	Credit Hrs	
		Theory	Lab			Theory	Lab
CS - 6701	FYP Part-I	--	2	CS - 6801	FYP Part-II	--	4
CS - 6702	Information Security	3	0	ARA - 6802	Arabic	3	0
CS - 6703	Parallel & Distributed Computing	3	0	-----	Psychology/ Introduction to International Relations	3	0
-----	DS-Elective Courses - IV	--	--	-----	Internship/Practical Training	--	--
-----	DS-Elective Courses - V	--	--	-----	Social Service	--	--
		6	2			6	4



DEPARTMENT OF MATHEMATICS

Faculty Members

1	Dr. Manzoor Hussain	Assistant Professor
2	Dr. Aamir Hamid	Assistant Professor
3	Dr. Sharafat Hussain	Lecturer
4	Ms. Irum Moon	Lecturer
5	Mr. Zahid Rasheed	Lecturer
6	Ms. Maryam Mir	Lecturer
7	Ms. Nosheen Mumtaz	Lecturer
8	Ms. Khansa Hanif	Research Associate
9	Mr. Mahmood Akhtar Khan	Research Associate
10	Ms. Bushra Batool	Research Associate
11	Ms. Tabinda Sajjad	Lecturer
12	Mr. Fahim Rahim	Lecturer
13	Ms. Saiqa Sagheer	Lecturer
14	Ms. Qurrat ul Ain	Lecturer
15	Ms. Sanam Ayub	Lecturer
16	Ms. Sunodus Arshed	Lecturer



Dr. Manzoor Hussain
Head of Department

Introduction

The Department of Mathematics, working under Faculty of Science and Technology, came to existence with the establishment of the university in 2014. The department offers M.Phil and BS programs with emphasis to develop students' skills in both depth and breadth of mathematical knowledge. The department offers research opportunities to students in different branches of pure and applied mathematics at both undergraduate and graduate level. The Department also intends to start Ph.D. program soon.

Programs

1. BS Mathematics
2. BS Statistics
3. M.Phil Mathematics

BS Mathematics

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Codes	Course titles	Credit hrs	Codes	Course title	Credit hrs
MAT-3101	Calculus-I	(3+0)	MAT-3201	Plane Curves and Analytical Geometry	(3+0)
MAT-3102	Introduction to Vector Analysis and Statics	(3+0)	MAT-3202	Introduction to Dynamics	(3+0)
MAT-3103	Physics-I	(3+0)	MAT-3203	Physics-II	(3+0)
MAT-3104	English-I	(3+0)	MAT-3204	English-II	(3+0)
MAT-3105	Pakistan Studies	(2+0)	MAT-3205	Islamic Studies	(2+0)
MAT-3106	Introduction to Computers	(3+0)	MAT-3206	Introduction to Statistics	(3+0)
MAT-3107	Physics Lab-I	(0+1)	MAT-3207	Physics Lab-II	(0+1)
	Total Credit Hours	(17 +1)		Total Credit Hours	(17+1)

SEMESTER-III			SEMESTER-IV		
CODE	COURSE TITLE	Credit Hrs	CODE	COURSE TITLE	Credit Hrs
MAT-4101	Introduction to Linear Algebra	(3+0)	MAT-4201	Introduction to Ordinary Differential Equations	(3+0)
MAT-4102	Calculus-II	(3+0)	MAT-4202	Introduction to Metric Spaces and Group Theory	(3+0)
MAT-4103	Probability Theory and Statistics	(3+0)	MAT-4203	Object Oriented Programming	(3+1)
MAT-4104	English-III	(3+0)	MAT-4204	English-IV	(3+0)
MAT-4105	Environmental Sciences	(3+0)	MAT-4205	Introduction to Arabic	(2+0)
MAT-4106	Elementary Number Theory and Complex Variables	(3+0)	MAT-4206	Introduction to Numerical Analysis and Linear Programming	(3+0)
	Total Credit Hours	(18+0)		Total Credit Hours	(17+1)

SEMESTER-V			SEMESTER-IV		
CODE	COURSE TITLE	Credit Hrs	CODE	COURSE TITLE	Credit Hrs
MAT-5101	Real AnalysisI	(3+0)	MAT-5201	Real AnalysisII	(3+0)
MAT-5102	Differential GeometryI	(3+0)	MAT-5202	Complex Analysis	(3+0)
MAT-5103	Algebra - I	(3+0)	MAT-5203	Algebra - II	(3+0)
MAT-5104	Topology-I	(3+0)	MAT-5204	Functional AnalysisI	(3+0)
MAT-5105	Ordinary Differential Equations	(3+0)	MAT-5205	Mechanics	(3+0)
	Total Credit Hours	(15+0=15)		Total Credit Hours	(15+0=15)

SEMESTER-VII					
CODE	COURSE TITLE	Credit Hrs	CODE	COURSE TITLE	Credit Hrs
MAT-6301	Numerical AnalysisI	(3+0)	List of Electives		
MAT-6302	Partial Differential Equations	(3+0)	MAT-6304	Fluid Mechanics-I	3
MAT-6399	Reading/conference/Seminar	(0+0)	MAT-6305	Measure Theory	3
	Elective-I (from list of electives)	(3+0)	MAT-6306	Ring Theory	3
	Elective-II (from list of electives)	(3+0)	MAT-6307	Computer Language (C/C++)	3
	Total	12	MAT-6308	Mathematical StatisticsI	3
List of Electives			MAT-6309	Quantum Mechanics	3
MAT-6313	Advanced Calculus	3	MAT-6310	General Tensors	3
MAT-6314	Functional Analysis II	3	MAT-6311	Electromagnetism	3
MAT-6315	Topology-II	3	MAT-6312	Special theory of Relativity	3



SEMESTER-VIII					
CODE	COURSE TITLE	Credit Hrs	CODE	COURSE TITLE	Credit Hrs
Any five courses or three courses and thesis from the following Elective Courses					
MAT-6401	Numerical AnalysisII	3	MAT-6417	Group Theory	3
MAT-6402	Differential GeometryII	3	MAT-6418	Decomposition of Modules	3
MAT-6403	Mathematical Physics	3	MAT-6419	Optimization theory	3
MAT-6404	Fluid Mechanics-II	3	MAT-6420	An Introduction to Convex Analysis	3
MAT-6405	Riemannian Geometry	3	MAT-6421	Calculus of Variation	3
MAT-6406	Mathematical StatisticsI	3	MAT-6422	Dynamical Systems	3
MAT-6407	Analytical Dynamics	3	MAT-6423	Financial Derivative	3
MAT-6408	Continuous and Symmetric Groups	3	MAT-6424	Actuarial Mathematics	3
MAT-6409	Integral Equations	3	Mat-6425	History of Mathematics	3
MAT-6410	Theory of Elasticity	3	MAT-6413	Finite Element Methods	3
MAT-6411	Theory of Manifolds	3	MAT-6414	General Relativity	3
MAT-6412	Theory of Manifolds	3	MAT-6415	Introduction of Combinatorics	3
MAT-6416	Algebraic Topology	3	Mat-6499	Thesis	6
Total					15



BS Statistics

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Sr. No.	Course titles	Sr. No.	Codes	Course title	Credit hrs
1.	Calculus-I	(3+0)	1.	Introduction to Probability Distributions	(3+0)
2.	Introductory Statistics	(3+0)	2.	Calculus -II	(3+0)
3.	Physics-I	(3+0)	3.	Physics-II	(3+0)
4.	English-I	(3+0)	4.	English-II	(3+0)
5.	Pakistan Studies	(2+0)	5.	Islamic Studies	(2+0)
6.	Introduction to Computers	(3+0)	6.	Basic Financial Management	(3+0)
7.	Physics Lab-I	(0+1)	7.	Physics Lab-II	(0+1)
Total		17+1	Total		17+1

SEMESTER-III			SEMESTER-IV		
Sr. No.	Course titles	Sr. No.	Codes	Course title	Credit hrs
1.	Basic Statistical Inference	(3+0)	1.	Exploratory Data Analysis and Visualization	(3+0)
2.	Advance Calculus	(3+0)	2.	Introduction to regression and analysis of variance	(3+0)
3.	Introduction to Sociology	(3+0)	3.	Linear Algebra	(3+0)
4.	English-III	(3+0)	4.	English-IV (Communication Skills)	(3+0)
5.	Kashmir Studies	(3+0)	5.	Introduction to Arabic	(2+0)
Total Credit Hours		(15+0)	Total Credit Hours		(14+0)

SEMESTER-V			SEMESTER-VI		
Sr. No.	Course titles	Sr. No.	Codes	Course title	Credit hrs
1.	Probability distributionI	(3+0)	1.	Probability distributionII	(3+0) cr.
2.	Sampling technique -I	(4+0)	2.	Sampling technique-II	(4+0) cr.
3.	Design and analysis of experimentI	(4+0)	3.	Design and analysis of experimentII	(4+0)
4.	Regression analysis	(4+0)	4.	Econometrics	(4+0)
5.	Statistical Packages	(3+0)	5.	Official Statistics	(3+0)
Total		18+0	Total		(18+0)

SEMESTER-VII			SEMESTER-VIII		
Sr. No.	Course titles	Sr. No.	Codes	Course title	Credit hrs
1.	Statistical inferenceI	(3+0)	1.	Statistical inferenceII	(3+0) cr.
2.	Applied Multivariate Analysis	(4+0)	2.	Population Studies	(4+0) cr.
3.	Time series	(3+0)	Any three courses from the list of Elective Courses.		
Any two courses from the list of Elective Courses.					

List of Elective Courses

Course Code	Course Title	Cr. Hrs.	Course Code	Course Title	Cr. Hrs.
1	Operation research	3 cr.	8	Data Mining	3 cr.
2	Stochastic process	3 cr.	9	Actuarial StatisticsI	3 cr.
3	Reliability Analysis	3 cr.	10	Actuarial StatisticsII	3 cr.
4	Decision theory	3 cr.	11	Mathematical Models and simulation	3 cr.
5	Robust Method	3 cr.	12	Categorical Data Analysis	3 cr.
6	Survival analysis	3 cr.	13	Numerical methods	3 cr.
7	Bio- statistics	3 cr.	14	Bayesian inference	3 cr.

M.Phil Mathematics

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Titles	Credit Hours	Course Codes	Course Titles	Credit Hours
In first two semesters any 8 courses of the following are studied.					
MAT-7101	Advanced Functional Analysis I	03+0	MAT-7211	Advanced Analytical Dynamics II (Pre-requisite MAT-7115)	03+0
MAT-7102	Advanced Group Theory	03+0	MAT-7212	Cosmology (Pre-requisite MAT-7116)	03+0
MAT-7103	Semigroup Theory	03+0	MAT-7213	Non-Newtonian Fluid Mechanics (Pre-requisite MAT-7120)	03+0
MAT-7104	Basics of the Theory of Fluid	03+0	MAT-7214	Numerical Solutions of Partial Differential Equations	03+0
MAT-7105	Topological Groups	03+0	MAT-7215	Group Methods for Differential Equations	03+0
MAT-7106	Topological Vector Spaces	03+0	MAT-7216	Sampling Techniques-II (Pre-requisite MAT-7121)	03+0
MAT-7107	Theory of Group Graphs	03+0	MAT-7217	Multivariate Analysis II (Pre-requisite MAT-7122)	03+0
MAT-7108	Advanced Measure Theory-I	03+0	MAT-7218	Finite Mixture Distribution I (Pre-requisite MAT-7123)	03+0
MAT-7109	Theory of Complex Manifolds	03+0	MAT-7221	Fuzzy Analysis	03+0
MAT-7110	Approximation Theory	03+0	MAT-7222	Fractional Differential Equations	03+0
MAT-7112	Advanced Partial Differential Equations	03+0	MAT-7223	Advances in Discrete Mathematics and Applications	03+0
MAT-7113	Magnetohydrodynamics I	03+0	MAT-7224	Strict Convexity	03+0
MAT-7114	Electrodynamics I	03+0	MAT-7225	Impulsive Differential Equations	03+0
MAT-7115	Advanced Analytical Dynamics I	03+0	MAT-7226	Advanced Fluid Dynamics	03+0
MAT-7116	Advanced General Relativity	03+0	MAT-7227	Computer Aided Geometric Design- II	03+0

MAT-7117	Astrophysics	03+0	MAT-7228	Advanced Analytical Methods	03+0
MAT-7118	The Classical Theory of Fields	03+0	MAT-7229	Basics of Heat and Mass Transfer	03+0
MAT-7119	Mathematical Techniques for Boundary Value Problems	03+0	MAT-7230	Elastodynamics	03+0
MAT-7120	Lie Algebra	03+0	MAT-7231	Convex Analysis	03+0
MAT-7121	Sampling Techniques-I	03+0	MAT-7232	Mathematical Analysis	03+0
MAT-7122	Multivariate Analysis-I	03+0	MAT-7233	Computer Graphics	03+0
MAT-7123	Finite Mixture Distribution	03+0	MAT-7234	Advanced Algebra	03+0
MAT-7124	Fixed Point Theory	03+0	MAT-7235	Lie Group Analysis of Difference Equations	03+0
MAT-7125	Computer Aided Geometric Design- I	03+0	MAT-7236	Analysis of Several Complex Variables	03+0
MAT-7126	Advanced Numerical Analysis	03+0	MAT-7237	Calculus of Finite Differences	03+0
MAT-7127	Advanced Complex Analysis	03+0	MAT-7238	Commutative Algebra-I	03+0
MAT-7128	Advanced Topology-I	03+0	MAT-7239	Commutative Algebra-II	03+0
MAT-7129	Fuzzy Algebra	03+0	MAT-7240	Field Extensions and Galois Theory	03+0
MAT-7130	Algebraic Coding Theory	03+0	MAT-7241	Multiplicative Ideal Theory	03+0
MAT-7201	Advance Functional AnalysisII (Pre-requisite MAT-7101)	03+0	MAT-7242	Algebraic Number Theory	03+0
MAT-7202	Advance Measure Theory-II (Pre-requisite MAT-7102)	03+0	MAT-7243	Advance fuzzy graph theory	03+0
MAT-7203	Advanced Topology-II(Prerequisite MAT-7103)	03+0	MAT-7244	Fuzzy System	03+0
MAT-7204	Banach Algebras (Prerequisite MAT-7201)	03+0	MAT-7245	Advance rough set theory	03+0
MAT-7205	Lie Groups (Pre-requisite MAT-7104)	03+0	MAT-7246	Semiring Theory	03+0
MAT-7206	C* -Algebras (Pre-requisite MAT-7201)	03+0	MAT-7209	Magneto hydrodynamics-II (Pre-requisite MAT-7113)	03+0
MAT-7207	Topological Algebras (Prerequisite MAT-7103 & MAT-7106)	03+0	MAT-7210	ElectrodynamicsII (Pre- requisite MAT-7114)	03+0
MAT-7208	Advanced Integral Equations	03+0			

In 3rd and 4th semester research/thesis are conducted and M.Phil duration is 2 years.

DEPARTMENT OF PHYSICS

Faculty Members

1	Dr. Kamal Hussain Khan	Assistant Professor
2	Dr. Muhammad Shahid	Assistant Professor
3	Dr. Hayat Ullah	Assistant Professor
4	Dr. Muhammad Naeem	Assistant Professor
5	Dr. Adeel Younas Abid	Assistant professor
6	Mr. Azhar Saeed	Lecturer
7	Ms. Bushra Aziz	Lecturer
8	Mr. M. Wazir Khan Mughal	Lecturer
9	Mr. Ayyaz Ahmad Khan	Lecturer



Dr. Muhammad Shahid
Head of Department

Introduction

The Department of Physics is one of the important disciplines of natural sciences booming under the canopy of Faculty of Science and Technology. The department includes seven PhD faculty members. The faculty is engaged in teaching and research with significant contribution towards improving the university ranking. The key objective of this department is to provide frontier knowledge in High Energy Physics, Plasma Physics, Astronomy and Astrophysics, Nano-Sciences and in Simulation of condense matter. Physics Department has good research collaboration with AJ&K University, Muzffarabd, and National Center for Physics, Islamabad. Some faculty members have membership of Pakistan Physical Society. We received monthly newsletter from CERN. The Department arranges lectures, Seminars and study tours for students for the purpose of making them aware of contemporary developments in Physics and related subjects.

Programs

1. BS Physics
2. M.Phil Physics
3. Ph.D Physics

BS Physics (4 Year)

Semester Wise Course Breakdown BS (PHY)

SEMESTER - I			SEMESTER - II		
Codes	Course Title	Cr. Hrs	Codes	Course Title	Cr. Hrs
PHY-3101	Mechanics	4	PHY-3201	Waves and oscillations	3
CMP-3102	Introduction to Computing	2+1	STAT-3202	Probability and Statistics	3
MAT-3103	Calculus-I	3	MAT-3203	Calculus-II	3
ECO-3104	Fundamentals of Economics	3	ISL-3204	Islamic Studies	2
ENG-3105	English-I (Functional English)	3	ENG-3205	English-II(Communication Skills)	3
PHY-3106	Physics Lab-I	1	PHY-3206	Physics Lab-II	1
MAT-3100	Mathematics*	NC			
Total		17	Total		15

* A Noncredit course (equivalent to 2 credit hr.) compulsory for students of premedical (F.Sc with Biology)

SEMESTER- III			SEMESTER- IV		
Codes	Course Title	Cr. Hrs	Codes	Course Title	Cr. Hrs
PHY-4301	Electricity and Magnetism	4	PHY-4401	Optics	3
CHE-4302	Environmental Science	3	PHY-4402	Modern physics	3
MAT-4303	Ordinary Differential Equations	3	MAT-4403	Linear algebra	3
PHY-4304	Heat and thermodynamics	3	EDU-4404	Introduction to Psychology	3
ENG-4305	English-III (Technical Writing and Presentation Skills)	3	CHE-4405	Physical Chemistry	3
PHY-4306	Physics lab-III	1	PHY-4406	Physics lab-IV	1
PAK-4307	Pakistan Studies	2	MAT-4407	Partial Differential equations	3
Total		19	Total		19

SEMESTER - V			SEMESTER - VI		
Codes	Course Title	Cr. Hrs	Codes	Course Title	Cr. Hrs
PHY-5501	Mathematical Methods of Physics-I	3	PHY-5601	Mathematical Methods of PhysicsII	3
PHY-5502	Electromagnetic theory-I	3	PHY-5602	Electromagnetic theoryII	3
PHY-5503	Classical Mechanics	3	PHY-5603	Solid State PhysicsI	3
PHY-5504	Electronic Circuits and Devices	3	PHY-5604	Quantum Mechanics- I	3
PHY-5505	Physics Lab-V (Circuits and Devices)	2	PHY-5605	Atomic & Molecular Physics	3
			PHY-5606	Physics Lab-VI (Solid state Physics)	2
Total		14			17

SEMESTER - VII			SEMESTER - VIII		
Codes	Course Title	Cr. Hrs	Codes	Course Title	Cr. Hrs
PHY-6701	Statistical Mechanics & Thermal Physics	3	PHY-6801	Plasma Physics	3
PHY-6702	Quantum Mechanics-II	3	PHY-6802	Particle Physics	3
PHY-6703	Nuclear Physics	3	PHY-6803	Comprehensive viva	S/U
PHY-6704	Solid state PhysicsII	3	PHY-6804	Physics of materials	3
PHY-6800 OR PHY-67XY	Thesis OR Optional course	3	PHY-6800 OR PHY-68XY	Thesis OR Optional course	3
PHY-6705	Physics Lab-VII (Nuclear Physics)	2	PHY-6805	Computational Physics	3
			PHY-6806	Physics Lab- VIII (General Physics)	2
Total		17	Total		17



List of Optional Courses

S. No.	Course Code	Course Title	Credit Hrs.
1	PHY-6W10	Radiation & Medical Physics	3 (3,0)
2	PHY-6W11	Experimental Plasma Physics	3 (3,0)
3	PHY-6W12	Environmental Physics	3 (3,0)
4	PHY-6W13	Surface Physics	3 (3,0)
5	PHY-6W14	Magnetism in Condensed Matter	3 (3,0)
6	PHY-6W15	Introduction to Nano Science and Technology	3 (3,0)
7	PHY-6W16	Polymer Physics	3 (3,0)
8	PHY-6W17	Bio-Physics	3 (3,0)
9	PHY-6W18	Computer Simulations	3 (3,0)
10	PHY-6W19	Introduction to Fiber Optics	3 (3,0)
11	PHY-6W20	Introductory Optoelectronics	3 (3,0)
12	PHY-6W21	Principles of Lasers	3 (3,0)
13	PHY-6W22	Introductory Medical Physics	3 (3,0)
14	PHY-6W23	Introductory Photonics	3 (3,0)
15	PHY-6W24	Radiation Detection and Protection	3 (3,0)

Note: Student can choose optional paper from the list given below, one each in 7th and 8th semester, as an alternative of thesis. In the course code W will be replaced by 7 in 7th semester and by 8 in 8th semester.

M.Phil Physics (2 Year)

At least four courses; two compulsory and two optional courses shall be offered from the lists given below in each semester depending upon the availability of faculty.

List of core courses

Code	Title of course	Credit hours
PHY- 7W01	Methods of Mathematical Physics	3
PHY- 7W02	Advanced Quantum Mechanics	3
PHY- 7W03	Statistical Physics	3
PHY- 7W04	Electrodynamics	3

List of Optional Courses

Code	Title of course	Credit hours	Code	Title of course	Credit hours
PHY-7W05	Plasma Physics	3	PHY-7W12	Advanced Medical physics	3
PHY-7W06	Material Science I	3	PHY-7W13	Experimental Plasma Physics	3
PHY-7W07	Material Science II	3	PHY-7W14	Fundamentals of Nano Science	3
PHY-7W08	Medical Physics	3	PHY-7W15	Detectors, Accelerator and High energy Experiments	3
PHY-7W09	Methods and Techniques of Experimental Physics	3	PHY-7W16	Physics of High Energy Collisions	3
PHY-7W10	Advanced Particle Physics	3	PHY-7W17	Physics Of Quark Gluon Plasma	3
PHY-7W11	Advanced Plasma Physics and Controlled Fusions	3	PHY-7W18	Experimental Particle Physics	3
PHY-7W22	Advanced Solid State PhysicsI		PHY-7W19	Optical Properties Of Solids	3
PHY-7W23	Advanced Solid State PhysicsII		PHY-7W20	Magnetism In Condensed Matter	3
PHY-7W24	Organic Semiconductor Materials And Devices		PHY-7W21	Condensed Matter Theory-I	3

Note: W stands for semester number, and shall be 1 for the courses taught in first semester and 2 for courses taught in second semester

Ph.D in Physics

Program Duration: 3-8 years (6-16 semesters)

Courses: 18 credits

Total credits: 42 credits

Recognized by: HEC

Research and Thesis: 24 credits

The department offers up to a maximum of 18 credits hours' course to Ph.D. Scholars each in semester-I and semester-II. A full-time scholar shall not be enrolled for more than 10 and less than 6 credit hours of taught courses in a semester. Scholars may complete their course work up to a maximum of three semesters. Four core courses (given below) are mandatory for Ph.D. scholars. In case the scholars have already taken these courses in M. Phil., then these courses shall not be mandatory for them and they have to complete their required credit hours from rest of the courses given in list of optional courses for M.Phil. All other matters regarding the admission and examinations of Ph.D scholars are according to the prescribed semester rules of the University. The courses offered by the department are subject to the availability of the qualified Ph.D faculty from the following list of courses:

List of core courses

Code	Title of course	Credit hours
PHY- 7W01	Methods of Mathematical Physics	3
PHY- 7W02	Advanced Quantum Mechanics	3
PHY- 7W03	Statistical Physics	3
PHY- 7W04	Electrodynamics	3

List of Optional Courses

Code	Title of course	Credit hours
PHY-7W05	Plasma Physics	3
PHY-7W06	Material Science I	3
PHY-7W07	Material Science II	3
PHY-7W08	Medical Physics	3
PHY-7W09	Methods and Techniques of Experimental Physics	3
PHY-7W10	Advanced Particle Physics	3
PHY-7W11	Advanced Plasma Physics and Controlled Fusions	3
PHY-7W12	Advanced Medical physics	3
PHY-7W13	Experimental Plasma Physics	3
PHY-7W14	Fundamentals of Nano Science	3
PHY-7W15	Detectors, Accelerator and High energy Experiments	3
PHY-7W16	Physics of High Energy Collisions	3
PHY-7W17	Physics Of Quark Gluon Plasma	3
PHY-7W18	Experimental Particle Physics	3
PHY-7W19	Optical Properties Of Solids	3
PHY-7W20	Magnetism In Condensed Matter	3
PHY-7W21	Condensed Matter Theory-I	3
PHY-7W22	Advanced Solid State PhysicsI	3
PHY-7W23	Advanced Solid State PhysicsII	3
PHY-7W24	Organic Semiconductor Materials And Devices	3

DEPARTMENT OF ZOOLOGY

Faculty Members

01	Dr. M. Shahbaz	Assistant Professor
02	Dr. Abu-ul-Hassan	Assistant Professor
03	Dr. Iftikhar Hussain	Assistant Professor
04	Dr. M. Tufail Akbar Mughal	Lecturer
05	Dr. Sadia Nazar	Lecturer (Contract)
06	Miss Rabia Shafique	Lecturer
07	Miss Nadia Saeed	Lecturer



Dr. Muhammad Shahbaz
Head of Department

Introduction

The Department of Zoology is one of the major disciplines of Faculty of Sciences. This department is provided with highly qualified faculty and well equipped laboratories. The key objective of this department is to provide modern knowledge in domain of animal sciences that enables its graduates to unravel scientific problems faced by today's generation.

The department of Zoology offers graduate and postgraduate programs BS Zoology and M.Phil. Zoology. The department is concentrating on the professional development of our students and imparting in them the healthier communication and analytical skills through quality education.

Programs

1. BS Zoology
2. M.Phil Zoology
3. Ph.D Zoology

BS Zoology (4 YEAR)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ZOOL-01101	English-I	(3+0)	ZOOL-1201	English-II	(3+0)
ZOOL-01102	Pakistan Studies	(2+0)	ZOOL-1202	Islamic Studies/Ethics	(2+0)
ZOOL-01103	Mathematics	(3+0)	ZOOL-1203	Biostatistics	(3+0)
ZOOL-01104	Botany-1/Etc	(3+0)	ZOOL-1204	Botany-II	(3+0)
ZOOL-01105	Chemistry-1/Etc	(3+0)	ZOOL-1205	Organic Chemistry	(3+0)
ZOOL-01106	Principal of animal life-1	(3+1)	ZOOL-1206	Principal of Animal Life II	(4+0)
Total		18	Total		18

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ZOOI- 01301	English-III	(3+0)	ZOOI- 1401	English IV	(3+0)
ZOOI- 01302	Introduction to Computer	(3+0)	ZOOI- 1402	Botany-IV/Etc	(3+0)
ZOOI-01303	Botany - III	(3+0)	ZOOI-1403	Animal diversity of chordates	(4+0)
ZOOI-01304	Chemistry-III/Etc	(3+0)	ZOOI-1404	Animal form and function-I	(4+0)
ZOOI-01305	Animal Diversity of Invertebrates	(4+0)	ZOOI-1405	Animal form and function -II	(4+0)
Total		16	Total		18

SEMESTER-V			SEMESTER-VI		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ZOOI- 01501	Psychology/Geography	(2+0)	ZOOI - 1601	Biological Techniques	(3+0)
ZOOI- 01502	General Biochemistry	(4+0)	ZOOI - 1602	Evolution and Principles of systematic	(3+0)
ZOOI-01503	Cell and molecular Biology	(4+0)	ZOOI - 1603	Development biology	(3+1)
ZOOI-01504	Physiology	(4+0)	ZOOI - 1604	Genetics	(4+0)
ZOOI-01505	Animal Behavior	(3+0)	ZOOI- 1605	Wild-life	(2+0)
Total		17	Total		16

SEMESTER-VII			SEMESTER-VIII		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ZOOI-01701	Environmental Biology	(4+0)	ZOOI - 1801	Bioinformatics	(3+0)
ZOOI-01702	Zoogeography and paleontology	(3+0)	ZOOI-1802	Thesis / Research project/ internship	(4+0)
ZOOI-01703	Special paper (univ option)	(4+0)	ZOOI-1803	Univ. option	(3+0)
ZOOI-01704	Synopsis and Research Methodology	(2+0)		Univ. option	(3+0)
ZOOI-0170 *	Univ option	(3+0)	ZOOI-180 *	Univ. option	(3+0)
Total		16	Total		16

(Elective courses will be taught depending upon research topic of students and availability of the faculty members)

Course Codes	Course Titles	Credit Hrs.	Course Codes	Course Titles	Credit Hrs.
Elective Courses (Univ. Option)					
ZOO-6911	Advanced Molecular Genetics	3	ZOO-6918	Conservation Biology	3
ZOO-6912	Advances in Medical Parasitology	3	ZOO-6919	Endocrinology	3
ZOO-6913	Aquaculture and Fisheries	3	ZOO-6920	Environmental Issues in Pakistan	3
ZOO-6914	Basic Pharmacology and Animal Trials	3	ZOO-6921	General Microbiology	3
ZOO-6915	Behavioral Ecology	3	ZOO-6922	General Toxicology	3
ZOO-6916	Biochemistry II/ Metabolism	3	ZOO-6923	Hematology	3
ZOO-6917	Cancer Genetics	3	ZOO-6924	Herpetology	3
ZOO-6929	Medical Virology	3	ZOO-6925	Human Genetics	3
ZOO-6930	Molecular Biology	3	ZOO-6926	Immunology	3
ZOO-6931	Ornithology	3	ZOO-6927	Mammology	3
ZOO-6932	Recombinant DNA Technology	3	ZOO-6928	Medical Entomology	3
ZOO-6933	Reproductive Biology	3	ZOO-6935	Wildlife of Pakistan and Azad Jammu And Kashmir	2
ZOO-6934	Wildlife Management	2			

M.Phil Zoology (2 Year)

SEMESTER-I			SEMESTER-II		
Course code	Course Title	Credits	Course code	Course Title	Credits
7217	Core Course-I (Advanced Analytical Techniques)	3	7221	Core Course-II (Applied Biostatistics)	3
7218	Course (Univ. Option)	3	7222	Course (Univ. Option)	3
7219	Course (Univ. Option)	3	7223	Course (Univ. Option)	3
7220	Course (Univ. Option)	3	7224	Course (Univ. Option)	3
	Total	12		Total	12

SEMESTER-III		
Course code	Course Title	Credits
7225	Research and thesis	6
7226	Seminar**	2
	TOTAL CREDITS 30* (30-36)	

Course work= 24 credits (compulsory) Core and Special (as per University options)

Research & Thesis= Minimum 6 credits (Compulsory)

Ph.D Program

(Courses may be added as per specialization)

Course code	Course Title	Credits
7217	Core Course-I (Advanced Analytical Techniques)	3
7218	Course (Univ. Option)	3
7219	Course (Univ. Option)	3
7220	Course (Univ. Option)	3
	Total	12



Compulsory Courses

1. Advanced Analytical Techniques*
2. Applied Biostatistics
3. Seminar

MS SPECIALIZED COURSES		
1. Advances in Immunology	15. Aquaculture and Fisheries*	29. Environmental Toxicology
2. Advances in Aquaculture	16. Aquaculture Biotechnology	30. Epidemiology of Animal Parasite
3. Advances in Cell Biology	17. Aquaculture System Management	31. Fish and Aquatic Toxicology
4. Advances in Ecology	18. Bacterial Genetics*	32. Fish Nutrition and Health
5. Advances in Helminthology and Protozoology	19. Biology of Birds and Mammals In Pakistan*	33. Fish Requirements*
6. Advances in Protozoology	20. Biological Toxicology*	34. Fishing Gear Technology
7. Advances in Helminthology	21. Cellular and Molecular Physiology	35. Freshwater Biology
8. Advanced Cell and Molecular Biology*	22. Classification of Insects and Pest Management	36. General Pharmacognosy
9. Advances In Wildlife*	23. Clinical Bacteriology	37. General Toxicology
10. Applied Genetics*	24. Clinical Endocrinology	38. Herpetology
11. Applied Microbiology*	25. Clinical Immunology	39. Human Genetics*
12. Applied Reproductive Physiology	26. Clinical Teratology*	40. Industrial Biotechnology
13. Aqua Culture Biotechnology	27. Conservation Biology of Wildlife*	41. Lab and Biosafety*
14. Aquaculture	28. Diagnostic Parasitology	42. Medical Biotechnology*

FACULTY OF ARTS AND SOCIAL SCIENCES

Following Disciplines are working under Dean
Faculty of Arts and Social Sciences:

- Department of Economics and Management Sciences
- Department of Education
- Department of English
- Department of International Relations and History
- Department of Sports Sciences & Physical Education

The faculty of Arts and Social Sciences has a long and distinguished experience of teaching and research and is considered as the nesting ground for qualified and capable individuals. The faculty provides the excellent education and training to transform the lives of our students and to prepare them for future challenges.

The scholarly activities with which you will be engaged here may be quite different from those you have been accustomed to and therefore will require greater focus and discipline on your part. However, we are confident that if you do your best, at the end of your time here, you will be assured similar rewards to those obtained by many of your predecessors who have made maximum use of this great learning opportunity.

In Arts and Social Sciences, we offer a variety of



DEAN

Dr. Muhammad Mushtaq
Faculty of Arts and
Social Sciences

programmes and courses so as to allow for flexibility with career choices. One of our primary responsibilities is to develop a pool of citizens who, upon graduation, will be equipped to analyze complex societal problems and aid in their solutions. In this regard, the faculty of Arts and Social Sciences continues to make significant contributions to local, regional and international development. This responsibility is even more relevant in the increasingly complex and ever-changing global environment.

We in the Faculty of Arts and Social Sciences are committed to being your best ally during your time at Women University of AJ&K Bagh. We do so by providing the type of academic advice and support services that will facilitate your learning and progress towards graduation. We, therefore, encourage you to utilize these services to help you to obtain answers to the questions you may have or to overcome difficulties you may encounter. Even as you work hard to ensure that you do well academically, be sure to get involved in our many extra-curricular activities that will be offered. Finally, we encourage you to take responsibility for your own learning, aim to become rounded and, throughout this very important phase of your life, enjoy your student experience with us.

DEPARTMENT OF ECONOMICS AND MANAGEMENT SCIENCES

Faculty Members

1. Dr. Masood Anwar
2. Dr. Abdul Muteen
3. Dr. Amjad Younis
4. Ms. Komal Tariq
5. Mr. Qamar Ahmed
6. Ms. Nagina Liaqat
7. Ms. Asma Akbar
8. Ms. Amina Khalil
9. Ms. Maria Babar
10. Summera Maqbool Abbasi
11. Rashida Saddique
12. Maria Siddique
13. Waheeda Begum
14. Summya Naz
15. Muhammad Atif
16. Saima Anwar
17. Tanveer Ahmed

Assistant Professor
Assistant Professor
Assistant Professor
Lecture
Lecture
Lecture
Lecture
Lecture
Lecture
Lecture
Research Associate
Research Associate
Visiting Lecturer
Visiting Lecturer
Visiting Lecturer



Dr. Masood Anwar
Head of Department

Introduction

The department of Economics and Management Sciences offers full-time 4 years BS in Economics, BBA, MPhil in Economics and MS in Management Sciences.. The degree programs are designed to develop logical reasoning and analytical skills among students through the provision of advanced knowledge in the fields of Economics and Management Sciences. All these degree programs have been drawn in the light of the Higher Education Commission of Pakistan's prescribed guidelines and standards. At present, we have four PhD's and four M.Phil faculty members in relevant fields. WUAJ&K has also planned to hire more PhD's in near future. This will add to the sustainability and growth of the department.

The aim of department is to train the students for administrative and financial roles, and inculcate investments and banking skills so that they can contribute in social and economic development of country.

On the behalf of the Department, I welcome the aspiring students to participate in the exploration, creation, and study encounters through our department.

Programs

1. BS Economics
2. BS Economics and Finance
3. BS Banking and Finance
4. BBA(Hons)
5. B.Com (Hons)
6. M.Phil Economics
7. MS (Management Sciences)
(Specialization in Finance, HRM,
Marketing & Project
Management)



BS Economics (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Credit Hr.	Course Code	Course Title	Credit Hr.
ECON 3101	Principle of Micro Economics	3	ECON 3201	Principal of Macro Economics	3
ECON 3102	English I	3	ECON 3202	English II	3
ECON 3103	Pakistan Studies	2	ECON 3203	Mathematics II	3
ECON 3104	Introduction to Computer	3	ECON 3204	Islamic Studies	2
ECON 3105	Mathematics - I	3	ECON 3205	General Course	3
ECON 3106	General Course	3	ECON 3206	General Course	3
Total		17	Total		17

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Credit Hr.	Course Code	Course Title	Credit Hr.
ECON 4101	Intermediate Micro Economics	3	ECON 4201	Intermediate Macro Economics	3
ECON 4102	Islamic Economics	3	ECON 4202	Issues in Pak Economy	3
ECON 4103	Statistics I	3	ECON 4203	English IV / Optional	3
ECON 4104	English III	3	ECON 4204	Statistics II	3
ECON 4105	General Course	3	ECON 4205	General Course	3
ECON 4106	General Course	3	ECON 4206	General Course	3
Total		18	Total		18

SEMESTER V			SEMESTER VI		
Course Code	Course Title	Credit Hr.	Course Code	Course Title	Credit Hr.
ECON 5101	Microeconomics Analysis	3	ECON 5201	Economic Growth	3
ECON 5102	Macroeconomics Analysis	3	ECON 5202	Econometrics I	3
ECON 5103	Mathematical Economics I	3	ECON 5203	Mathematical Economics II	3
ECON 5104	Islamic Banking and Finance	3	ECON 5204	Elective I	3
ECON 5105	General Course	3	ECON 5205	Elective II	3
Total		15	Total		15

SEMESTER-VII			SEMESTER VIII		
Course Code	Course Title	Credit Hr.	Course Code	Course Title	Credit Hr.
ECON 6101	International Economics	3	ECON 6201	Entrepreneurial Economics	3
ECON 6102	Research Methods & Computer Applications	3	ECON 6202	Development Economics	3
ECON 6103	Public Finance	3	ECON 6203	Monetary Economics	3
ECON 6104	Econometrics II	3	ECON 6204	Research Project	3
ECON 6105	Elective III	3	ECON 6205	Elective IV	3
Total		15	Total		15



BS Economics & Finance (4 Year)

Semester Wise Breakup

Semester	Subject	Credit Hours	Semester	Subject	Credit Hours
First Semester (Credit Hours:17)	English - I	3	Fifth Semester (Credit Hours:15)	Microeconomic Analysis	3
	Principles of Microeconomics	3		Monetary Economics	3
	Islamic Studies / Ethics	2		Public Finance	3
	Basic Mathematics	3		Mathematical Economics-II	3
	Diversification - 1	3		Econometrics	3
	Diversification - 2	3			
Second Semester (Credit Hours:17)	English - II	3	Sixth Semester (Credit Hours:15)	Macroeconomic Analysis	3
	Pakistan Studies	2		International Economics	3
	Principles of Macroeconomics	3		Development Economics	3
	Statistics - I	3		Financial Economics	3
	Diversification - 3	3		Corporate Finance	3
	Diversification - 4	3			
Third Semester (Credit Hours:18)	English - III	3	Seventh Semester (Credit Hours:15)	Time Series and Panel Data Econometrics	3
	Intermediate Microeconomics	3		Financial Accounting	3
	Introduction to Computer	3		Financial Risk Management	3
	Statistics - II	3		Optional - 1	3
	Diversification - 5	3		Optional - 2	3
	Diversification - 6	3			
Fourth Semester (Credit Hours:18)	English - IV*	3	Eighth Semester (Credit Hours:15)	Economy of Pakistan	3
	Intermediate Macroeconomics	3		International Finance	3
	Mathematical Economics-I	3		Optional - 3	3
	Issues in World Economy	3		Optional - 4	3
	Diversification - 7	3		Optional - 5	3
	Diversification - 8	3			
Total Credit Hours: 130					

Bachelor of Business Administration (BBA 4 Year)

Semester Wise Course Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Course Title	Credit Hrs	Course Codes	Course titles	Credit Hrs
GEN-3107	Introduction to Business	3+0	ACC-3101	Financial Accounting-I	3+0
GEN-3102	Business Mathematics	3+0	MGT-3208	Principles of Management	3+0
ECO-3103	Principles of Microeconomics	3+0	CR-3209	Islamic Studies	3+0
GEN-3104	Introduction to computer studies	2+1	CR-3210	Business Statistics	3+0
GEN-3105	Pakistan Studies	3+0	GEN-3211	Freshman English - II	3+0
GEN-3106	Freshman English-I	3+0	ECO-3212	Principles of Macro Economics	3+0
Total		18	Total		18

SEMESTER-III			SEMESTER-IV		
Course Codes	course Title	Credits	Course Codes	Course titles	Credits
ACC-3207	Financial Accounting-II	3+0	FIN-4323	Financial Management	3+0
MKT-4321	Principles of Marketing	3+0	MGT-4433	Organizational Behaviour	3+0
MGT-4322	Human Resource Management	3+0	MGT-4434	Business Communication	3+0
MGT-4324	Oral Communication and Presentation	3+0	MGT-4435	Business Research Methods	3+0
	Humanities Elective - I	3+0		Elective- IV	3+0
	Humanities Elective II	3+0		Humanities Elective V	3+0
Total		18	Total		18

SEMESTER-V			SEMESTER-VI		
Course Codes	Course Title	Credits	Course Codes	Course titles	Credits
ACC-4432	Cost Accounting	3+0	FIN-5641	Corporate Finance	3+0
MKT-5513	Marketing Management	3+0	MGT-5642	Consumer behavior	3+0
GEN-5514	Management Information Systems	2+1	MGT-5643	International Business Management	3+0
GEN-5515	Introduction To Econometrics	3+0	MGT-5644	Supply Chain Management	3+0
MGT-5516	Tourism and Hospitality Management	3+0		Humanities ElectiveVII	3+0
	Humanities ElectiveVI	3+0			
Total		18	Total		15

SEMESTER-VII			SEMESTER-VIII			
Course Codes	Course Title	Credits	Course Codes	Course titles	Credits	
GEN-6725	Project Management	3+0	MGT-6871	Strategic Management	3+0	
MGT-6726	Entrepreneurship and innovation	3+0	GEN-6872	Corporate Law	3+0	
FIN-6727	Money and Banking	3+0	BEL-6873	Business ElectiveIII	3+0	
	Business Elective-II	3+0	BEL-6874	Business Elective -IV	3+0	
	Business Elective -II	3+0	INT-	Internship (min 9 weeks)	01	
				Comprehensive Oral Examination (COE)	S/U basis	
Total		15	Total			13
Total Credit Hrs. : 136						

BS Banking and Finance (BS 4 Year)

Scheme of Studies

Duration	8-10 Semesters
Total Credit Hours	133
Course Work	127 Credit Hours
Research Project & Viva Voce	06
Internship/ Practical Training	S/U Basis

Semester Wise Course Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Course Title	Credit Hrs	Course Codes	Course titles	Credit Hrs
BF-3101	Principles of Accounting	3	BF-3201	Financial Accounting	3
BF-3102	Introduction to Business	3	BF-3202	Computer Application in Banking	3
BF-3103	Microeconomics	3	BF-3203	Macro Economics	3
BF-3104	Business Mathematics	3	BF-3204	Business Statistics	3
BF-3105	Functional English	3	BF-3205	Business Communication & Report writing	3
BF-3106	Islamic Studies	3	BF-3206	Pak Studies	3
Total		18	Total		18



SEMESTER-III			SEMESTER-IV		
Course Codes	Course Title	Credit Hrs	Course Codes	Course titles	Credit Hrs
BF-4301	Arabic	3	BF-4401	Organizational Behavior	3
BF-4302	Principles of Banking & Currency	3	BF-4402	Banking Law & Practices	3
BF-4303	Introduction to Business Finance	3	BF-4403	Cost & Managerial Accounting	3
BF-4304	Income Tax Law	3	BF-4404	Inferential Statistics	3
BF-4305	Economy of Pakistan	3	BF-4405	Mercantile Law	3
BF-4306	Auditing	3	BF-4406	Management Information System in Banks	3
Total		18	Total		18

SEMESTER-V			SEMESTER-VI		
Course Codes	Course Title	Credit Hrs	Course Codes	Course titles	Credit Hrs
BF-5501	Principles of Management	3	BF-5601	E-Banking	3
BF-5502	Marketing of Financial Services	3	BF-5602	Risk Management in Banking Sector	3
BF-5503	Financial Structure of Pakistan	3	BF-5603	Foreign Exchange Management	3
BF-5504	Financial Management Research	3	BF-5604	Entrepreneurship	3
BF-5505	Methods for Business	3	BF-5605	Strategic Management	3
			BF-	Elective-I	3
				Summer Internship	3
Total		15	Total		21

SEMESTER-VII			SEMESTER-VIII		
Course Codes	Course Title	Credit Hrs	Course Codes	Course titles	Credit Hrs
BF-6701	International Business	3	BF-6801	Investment Analysis & Portfolio Management	3
BF-6702	Analysis of Financial Statements	3	BF-6802	Credit Analysis and Investment Banking	3
BF-6703	Human Resource Management	3	BF-	Elective-IV	3
BF-	Elective-II	3	BF-6803	Research Project & Viva Voce	3
BF-	Elective -III	3			
Total		15	Total		12

Field of Specialization					
Code	Course Title	Cr. Hours	Code	Course Title	Cr. Hours
BF-6804	Management in Banks	3	BF-6815	Case Study in Corporate Finance	3
BF-6805	Commercial Banking	3	BF-6816	Financial Management of MNC's	3
BF-6806	Consumer Banking	3	BF-6817	International Finance	3
BF-6807	Central Banking	3	BF-6818	SME & Micro Finance	3
BF-6808	International Banking	3	BF-6819	Financial Institutions, Instruments & Markets	3
BF-6809	Principles of Islamic Banking & Finance	3	BF-6820	Fundamentals of Good Governance	3
BF-6810	Regulatory Framework for Banking Sector	3	BF-6821	Public Security and Safety	3
BF-6811	Islamic Principles of Finance	3	BF-6822	Environment, Municipal services, and Food Security	3
BF-6812	Behavioral Finance	3	BF-6823	Code of Conduct and Professional Ethics	3
BF-6813	Entrepreneurial Finance	3	BF-6418	Risk Management	3

Bachelor of Commerce (B.Com) 4 Year

Semester Wise Course Breakup

SEMESTER-I			SEMESTER-II		
Course Codes	Subject Title	Credit Hours	Course Codes	Subject Title	Credit Hours
BC- 111	Islamic Studies	3+0	BC- 121	Pakistan studies	3+0
BC- 112	Functional English	3+0	BC- 122	Communication Skills	3+0
BC- 113	Introduction to Business	3+0	BC- 123	Computer Application in Business	3+0
BC- 114	Principles of Accounting	3+0	BC- 124	Financial Accounting	3+0
BC- 115	Micro Economics	3+0	BC- 125	Macro Economics	3+0
BC- 116	Business Mathematics	3+0	BC- 126	Business Statistics	3+0
Total		18	Total		18

SEMESTER-III			SEMESTER-IV		
Course Codes	Subject Title	Credit Hours	Course Codes	Subject Title	Credit Hours
BC- 231	Business Law	3+0	BC- 241	Principles of Auditing	3+0
BC- 232	Business Taxation	3+0	BC- 242	Technical Writing and Presentation Skills	3+0
BC- 233	Principles of Business Finance	3+0	BC- 243	Cost Accounting	3+0
BC- 234	Advanced Accounting-I	3+0	BC- 244	Advanced Accounting-II	3+0
BC- 235	Economic Issues of Pakistan	3+0	BC- 245	Entrepreneurship	3+0
BC- 236	Business Psychology	3+0	BC- 246	Inferential Statistics	3+0
Total		18	Total		18

SEMESTER-V			SEMESTER-VI		
Course Codes	Subject Title	Credit Hours	Course Codes	Subject Title	Credit Hours
BC- 351	Research Methods in Business	3+0	BC- 361	Strategic Management	3+0
BC- 352	Managerial Economics	3+0	BC- 362	Principles of Risk Management and Insurance	3+0
BC- 353	Financial Management	3+0	BC- 363	Human Resource Management	3+0
BC- 354	Principles of Marketing	3+0	BC- 364	Managerial Accounting	3+0
BC- 355	Principles of Management	3+0	BC- 365	Arabic	3+0
BC- 356	Introduction to Sociology	3+0	BC-	Elective-I	3+0
Total		18	Total		18

SEMESTER-VII			SEMESTER-VIII		
Course Codes	Subject Title	Credit Hours	Course Codes	Subject Title	Credit Hours
BC- 471	E-Commerce	3+0	BC- 481	International Business and Finance	3+0
BC- 472	Financial Institutions and Markets	3+0	BC- 482	Elective-IV	3+0
BC- 473	Project Management	3+0	BC- 483	Research Project and Viva Voce(OR)	(3+3)=06
BC- 474	Corporate Governance	3+0	BC-	Internship and Viva Voce along with a Course form List of Elective Courses	(3+3)=06
BC-	Elective-II	3+0	BC-	Two Courses from the List of Elective Courses and Exam	(3+3)=06
BC-	Elective-III	3+0			
Total		18	Total		12
Total Credit Hours					136

M.Phil Economics

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Credit Hr	Course Code	Course Title	Credit Hr
ECO-7101	Macroeconomic Theory - I	3	ECO-7201	Macroeconomic Theory - II	3
ECO-7102	Macroeconomic Theory - I	3	ECO-7202	Macroeconomic Theory - II	3
ECO-7103	Applied Econometrics	3	ECO-7203	Research Methods in Economics	3
ECO-7104	Elective Course	3	ECO-7204	Elective Course	3

SEMESTER THREE & FOUR

Thesis 6- Credit Hours

Lis of Elective Courses - I			List of Elective Courses-II		
Sr. No.	Course Title	Credit Hr	Sr. No.	Course Title	Credit Hr
1	Agricultural and Resource Development	3	1	International Economics	3
2	Globalization and Economic Integration	3	2	Issues in Labour Economics	3
3	Issues in Development Economics	3	3	Issues in Public Economics	3
4	Issues in Energy Economics	3	4	Issues in Human Resource Development	3
5	Issues in Health Economics	3	5	Issues in Financial Economics	3
6	Topics in Islamic Economics	3	6	Issues in Transport Economics	3
7	Topics in Managerial Economics	3			

MS Program in Management Sciences

Semester Wise Breakup

Semester	Course Code	Course Title	Cr. Hrs.
I	MGT-7101	Advanced Research Methodology	3
	FIN-7102	Strategic Finance	3
		Elective - I	3
		Elective- II	3
	Total Cr. Hrs. Semester I		12
II	MKT-7201	Strategic Marketing	3
	MGT-7202	Strategic Management	3
		Elective-III	3
		Elective IV	3
	Total Cr. Hrs. Semester II		12
III	RES-7301	Thesis	6
IV		Thesis	
	Total Cr. Hrs. Thesis		6
Total Credit Hours of MS Degree Program			30

DEPARTMENT OF EDUCATION

Faculty Members

- | | |
|-----------------------------------|----------------------------|
| 1. Dr. Muhammad Mushtaq | Assistant Professor |
| 2. Dr. Muhammad Asghar Ali | Assistant Professor |
| 3. Miss Saadia Khan | Lecturer |
| 4. Miss Samina Rafique | Lecturer |
| 5. Miss Tahzeeb Mahreen | Lecturer |
| 6. Miss Misbah Saba | Lecturer |
| 7. Miss Saima Bashir | Lecturer |
| 8. Miss Rizwana Khurshid | Visiting Lecturer |
| 9. Miss Zul Ul Ane Fatima | Visiting Lecturer |



Dr. Muhammad Mushtaq
Head of Department

Introduction

Department of Education is one of the major departments of Women University of AJ&K Bagh in terms of students' intake. Presently 346 students are enrolled in the Department. Admission in MA and M.Phil programs were started from December, 2014. The focus of the department is to train the students in their respective research areas. The department has designed curriculum and established instructional laboratories to provide opportunities to its students and faculty for having an experience of experimental and experiential learning. This encouraged and enhanced conceptual learning and application.

In addition to offering degree programs, the Department of Education adopts multi-pronged strategies like faculty development through holding workshops, seminars, short and long courses, for harmonious and all round growth and development of students' groomed personalities; as our students have shined nationally and regionally in extracurricular activities. Sports and other co-curricular activities such as: debates, speeches, dramas, art and exhibition. These healthy activities are encouraged and organized on regular basis.

Our mission is to provide students with opportunities, choices and support that will enable them to achieve their individual aspirations, to become leaders in their chosen fields. We move forward with the vision to bring about innovation in the teaching techniques being applied in this university. We aspire to equip our graduates with such skills and knowledge through which they after entering into the various streams of education as teachers and instructors prove themselves an asset to the education system having the capacity to address and resolve problems and issues being faced by them at local, national and international level.

Programs

1. B.Ed (Hons)Elementary(4Year)
2. B.Ed (Hons) Secondary(4Year)
3. BS Psychology (4 Year)
4. B.Ed (Hons) (2.5Year)
5. B.Ed (Hons) (1.5Year)
6. M.Phil Education (2Year)



B.ED (Hons) Elementary

Eligibility Criteria

1. FA/F.Sc/ A levels or equivalent with minimum 2nd Division.
2. FA/F.Sc/A level or equivalent with school subjects.

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
ENG-402	Functional English	(3 0 3)	ENG402	Communication Skills	(3 0 3)
ISL401	Islamic Studies	(3 0 3)	CS402	Introduction to Computing	(3 0 3)
EDU403	Urdu	(3 0 3)	EDU472	Classroom Management	(3 0 3)
EDU441	Child Development	(3 0 3)	EDU402	General Mathematics	(3 0 3)
EDU401	General Science	(3 0 3)	PKS402	Pakistan Studies	(3 0 3)
EDU431	Methods of Teaching	(3 0 3)	EDU432	Teaching of Islamic studies	(3 0 3)

SEMESTER-III			SEMESTER-IV		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
EDU403	Teaching Literacy Skills	(3 0 3)	EDU444	Classroom Assessment	(3 0 3)
EDU403	Art, Crafts and Calligraphy	(3 0 3)	SW404	Introduction to Sociology	(3 0 3)
EDU433	Teaching of Urdu	(3 0 3)	EDU434	Teaching of General Mathematics	(3 0 3)
EDU433	Teaching of General Science	(3 0 3)	EDU474	School, community and Teacher	(2 3 3)
EDU483	Instructional and Communication Technology in Education	(3 0 3)	EDU434	Teaching of Social Studies	(3 0 3)
EDU433	Teaching Practice - I	(093)	EDU434	Teaching Practice - II	(0 9 3)

SEMESTER-V			SEMESTER-VI		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
ENG405	Technical and Business Writing	(3 0 3)	EDU486	Contemporary Issues and Trends in Education	(3 0 3)
EDU465	Foundations of Education	(3 0 3)	EDU4**	Elective	(2 3 3)/(3 0 3)
EDU4**	Elective	(23 3)/(3 0 3)	EDU4**	Elective	(2 3 3)/(3 0 3))
EDU4**	Elective	(2 3 3)/(3 0 3)	EDU486	Comparative Education	(3 0 3)
EDU455	Curriculum Development	(3 0 3)	EDU446	Guidance and Counseling	(3 0 3)
EDU445	Educational Psychology	(3 0 3)		Total Credit Hours	15
	Total Credit Hours	18			

*Elective= Course from Selected Discipline from Elective subjects List.

*Elective= Course from Selected Discipline from the Elective subjects List.

SEMESTER-VII			SEMESTER-VIII		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
EDU4**	Elective	(2 3 3)/(3 0 3)	EDU478	School Management	(3 0 3)
EDU4**	Elective	(2 3 3)/(3 0 3)	EDU448	Techniques of Students Appraisal	(3 0 3)
EDU4**	Pedagogy - A	(3 0 3)	EDU438	Teaching Practice - IV	(0 18 6)
EDU4**	Pedagogy - B	(3 0 3)	EDU498	Research Project	(0 9 3)
EDU497	Research Methods in Education	(3 0 3)			
EDU437	Teaching Practice - III	(0 9 3)			
	Total Credit Hours	18			

*Elective= Course from Selected Discipline from Elective subjects List.

**Pedagogy = Course from Selected Discipline from Elective subjects List.

B.Ed (Hons) Secondary

Semester Wise Breakup is Same as B.Ed Elementary

BS Psychology (4 Year)

Eligibility Criteria

1. FA/F.Sc/ A levels or equivalent with minimum nd Division.
2. FA/F.Sc/A level or equivalent with school subjects.

SEMESTER-I			SEMESTER-II		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
ENG-4110	English-I	03	ENG-4211	English-II	03
PK-4114	Pakistan Studies	02	ISL-4215	Islamic Studies / Ethics	02
MAT-4116	Mathematics	03	MGT-4218	Intro to Management and Planning	03
STAT-4120	Statistics - I	03	BIO-4226	Biology - I	03
EDU-4222	Education-I	03	ECO-4224	Economics-I	03
PSY-4130	Introduction to Psychology	03+01	PSY-4231	History and Schools of Psychology	03

SEMESTER-III			SEMESTER-IV		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
ENG-5312	English-III	03	IR-5413	Intro to International Relations	03
CS-5317	Introduction to Computer	03	ECO-4425	Economics - II	03
STAT-5321	Statistics- II	03	BIO-4427	Biology- II	03
EDU-5223	Education-II	03	PSY-5432	Introduction to Social Psychology	03
PSY-5333	Experimental Psychology	03+01	PSY-5435	Personality Theories- II	03
PSY-5334	Personality Theories- I	03			

SEMESTER-V			SEMESTER-VI		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
PSY-6536	Mental Health and Psycho-pathology-I	03	PSY-6637	Mental Health and Psycho-pathology-II	03
PSY-6538	Neurological Basis of Behavior	03	PSY-6639	Developmental Psychology	03
PSY-6540	Psychological Testing-I	03	PSY-6641	Psychological Testing-II	03
PSY-5560	Research Methods-I	03	PSY-5661	Research Methods-II	03
PSY-6542	Elementary Statistics	03	PSY-6643	Applied Statistics	03
			PSY-6644	Advance Social Psychology	03

SEMESTER-VII			SEMESTER-VIII		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
PSY-7745	Positive Psychology	03	PSY-7847	Cross Cultural Psychology	03
PSY-7746	Educational Psychology	03	PSY-7848	Cognitive Psychology	03
PSY-77**	Elective-I	03	PSY-78**	Elective-III	03
PSY-77**	Elective-II	03	PSY-78**	Elective-IV	03
PSY-7749	Internship	02	PSY-7862	Research Project	04

Elective Courses

Elective courses for semester VII and semester VIII can be chosen from the following two groups respectively:

Sr.No.	Group 1	Group 2
1	Health Psychology	Clinical Psychology
2	Environmental Psychology	Organizational Psychology
3	Counselling Psychology	Behavior Analysis and Management

Total Credit Hours: 132

B. Ed Hons. (2.5 Year) Program

Eligibility Criteria: B.A/ B.Sc with minimum 2nd Division.

Semester Duration: 18-20 weeks

Course Load per semester: 15-18 Cr hr

Duration: 2.5 years

Semesters: (5 Semesters)

Number of Courses per semester: 6 -8

Semester Wise Breakup

BRIDGING COURSES		
COURSE CODES	COURSES	Credit Hrs.
EDU-30B1	Introduction to Educational Philosophy	3+0
EDU-30B2	Introduction to Curriculum Development	3+0
EDU-30B3	Introduction to Assessment Evaluation	3+0
EDU-30B4	Introduction Classroom management	3+0
EDU-65B3	Introduction to Psychology	3+0

SEMESTER-I			SEMESTER-II		
Courses Code	Title	Credit Hours	Courses Code	Title	Credit Hours
EDU-4102	Functional English I (Compulsory)	3	EDU-6615	English-II (Communication Skills)	3
EDU-4101	Islamic Studies/Ethics (Compulsory)	3	EDU-4206	Introduction to Computing	3
EDU-4151	Child Development (Foundation)	3	EDU 6645	Teaching Practice	3
EDU-4111	Urdu / Regional Languages (Content)	3	EDU-4213	General Mathematics	3
EDU-4112	General Science (Content)	3	EDU- 4207	Pakistan Studies	3
EDU-4146	Methods of Teaching (Foundation)	3	EDU-7724	Teaching Islamic Studies	3
	Total Credit Hours	18		Total Credit Hours	18

SEMESTER-III			SEMESTER-IV		
Courses Code	Title	Credit Hours	Courses Code	Title	Credit Hours
EDU-4304	Teaching Literacy Skills (Professional)	3	EDU- 5452	Classroom Assessment	3
EDU-4271	Classroom Management	3	EDU- 6637	Teaching of English	3
EDU-6632	Teaching of Urdu/ Regional Languages	3	EDU- 7734	Teaching of Mathematics	3
EDU- 7733	Teaching of G. Science	3	EDU- 5472	School, Community and Teacher	3
EDU- 5538	Instructional and Communication Technology (ICT) in Education	3	EDU-7835	Teaching of Social Studies	3
EDU- 7745	Teaching Practice III (Short Term)	3	EDU- 7845	Teaching practice - IV	3
		3			
	Total Credit Hours	18		Total Credit Hours	18

B.Ed (1.5 Year)

Eligibility Criteria

Eligibility Criteria: MA/M. Sc/ except MA (Education) 16 Year Education with at least 45% marks

Duration:1.5 years (3 Semesters)

Total credits: 54

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Courses Code	Title	Credit Hours	Courses Code	Title	Credit Hours
EDU-6561	Foundations of Education	3	EDU-6545	Teaching Practice I	3
EDU-30B3	Introduction to Assessment and Evaluation	3	EDU-6892	Critical Thinking and Reflective Practices	3
EDU-30B2	Introduction to Curriculum Development	3	EDU-7741	Teaching of Physics	3
EDU-6691	Research Methods in education	3	EDU-6642	Teaching of Chemistry	3
EDU-4146	Methods of Teaching	3	EDU-6643	Teaching of Biology	3
EDU-7892	Educational Psychology	3	EDU-7744	Teaching of Mathematics	3
	Total Credit Hours	18		Total Credit Hours	18

SEMESTER-III		
Courses Code	Title	Credit Hours
EDU-6645	Teaching Practice II	3
EDU-4271	classroom Management	3
EDU-5472	School Community and Education	3
EDU-6823	Professionalism in Teaching	3
EDU-7793	Data Analysis and software	3
EDU 6553	Research Project	3
	Total Credit Hours	18

AREAS OF SPECIALIZATION			
Specialization 1 Teacher Education		Specialization 2 Science Education	
1. Teaching profession	EDU-6684	1. Teaching of Physics	EDU-7741
2. Early Childhood Education	EDU-6685	2. Teaching of Chemistry	EDU-6642
3. Secondary Education	EDU6686	3. Teaching of Biology	EDU-6643
4. Comparative Education	EDU-6683	4. Teaching of Mathematics	EDU-7744



M.Phil Education

Eligibility Criteria

- As per University Policy (M.A Education, M.Ed. B.Ed Hons, BS Education 4 years degree with 3.00 CGPA)
- UGAT Test Score 50 % marks

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code #	Course Name	Credits	Course Code #	Course Name	Credits
EDU551	Curriculum Process Issues and Problems	3+0	EDU543	Statistics in Education	3+0
EDU591	Techniques of Research in Education	3+0	EDU561	Foundation of Education	3+0
EDU541	Assessment in Education	3+0	EDU571	Advance Educational Planning and Management	3+0
EDU542	Educational Psychology	3+0	EDU581	Seminar on Trends and Issues in Education	3+0

SEMESTER-III & IV		
Course Code	Course Titles	Credit hrs
EDU699	Research Thesis	6+0
Total Credit hours for award of Degree		24+6= 30



DEPARTMENT OF ENGLISH

Faculty Members

- | | | |
|-----|----------------------|---------------------|
| 1. | Dr. Arshad Mehmood | Assistant Professor |
| 2. | Ms. Rukhsana Rafique | Lecturer |
| 3. | Ms. Nasira Fazil | Lecturer |
| 4. | Ms. Asma Iqbal | Lecturer |
| 5. | Ms. Kokub Khurshid | Lecturer |
| 6. | Ms. Rafia Batool | Lecturer |
| 7. | Ms. Salma Asghar | Lecturer |
| 8. | Ms. Kiran Razzaq | Research Associate |
| 9. | Ms. Rabia Kiyani | Lecturer |
| 10. | Ms. Rayna Batool | Lecturer |
| 11. | Ms. Fazeelat Niaz, | Lecturer |
| 12. | Mr. Anees Nawazish | Lecturer |
| 13. | Ms. Sania Ghaffar | Visiting Lecturer |
| 14. | Ms. Saima Rasheed | Visiting Lecturer |
| 15. | Ms. Rukhsana Ameer | Visiting Lecturer |



Dr. Arshad Mahmood
Head of Department

Introduction

Department of English is a leading department of Women University of Azad Jammu and Kashmir Bagh which offers BS English degree program, and in near future, it endeavors to offer admissions in M.Phil in English Literature and Linguistics. The department has highly experienced and trained teaching staff both in the fields of Linguistics and Literature. The department has 14 English teachers out of which, there are 13 M.Phil faculty members and one PhD doctor as well. As academic facilitation, large collection of books of Linguistics and Literature are available for students in the library of Faculty of Arts and Social Sciences. In collaboration with Directorate of Student Affairs, the department creates opportunities for the students to participate in regional and national level debates and speech contests. Graduates of the department are serving in different fields of the State of Azad Jammu and Kashmir. Department of English has an innovative and progressive plan of Student Exchange Program with other higher educational institutions particularly with Women Universities of Pakistan.

Programs

1. BS English (4 Year)
2. M.Phil English

BS English (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
ENG-3101	English-I	(3+0)	ENG-3201	English-II	(3+0)
ENG-3102	Pakistan Studies	(2+0)	ENG-3202	Islamic Studies	(2+0)
ENG-3103	GC	(3+0)	ENG-3203	GC	(3+0)
ENG-3104	GC	(3+0)	ENG-3204	GC	(3+0)
ENG-3105	Introduction to English Literature (Poetry & Drama)	(3+0)	ENG-3205	History of English Literature (Medieval to Romanticism)	(3+0)
ENG-3106	Introduction to Linguistics	(3+0)	ENG-3206	Phonetics & Phonology	(3+0)
Total		(17+0)	Total		(17+0)

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
ENG-4101	English-III	(3+0)	ENG-4201	Advance Academic Reading & Writing	(4+0)
ENG-4102	Introduction to Computer	(3+0)	ENG-4202	Human Rigts & Citizenship	(3+0)
ENG-4103	GC	(3+0)	ENG-4203	GC	(3+0)
ENG-4104	GC	(3+0)	ENG-4204	GC	(3+0)
ENG-4105	Introduction to English LiteraturdI (Novel, Short Story & Prose)	(3+0)	ENG-4205	History of English LiteratureII (19 th Century Realism up to Contemporary Times)	(3+0)
ENG-4106	Morphology & SyntaxI	(3+0)	ENG-4206	Semantics	(3+0)
Total		(18+0)	Total		(18+0)

SEMESTER-V			SEMESTER-VI		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
ENG-5101	Visionary Discourse	(3+0)	ENG-5201	Literary Criticism & Theory	(3+0)
ENG-5102	Literary Criticism (3)	(3+0)	ENG-5202	Classics in Drama	(3+0)
ENG-5103	Novel (18 th & 19 th Century)	(3+0)	ENG-5203	19 th Century Poetry	(3+0)
ENG-5104	Research Methodology	(3+0)	ENG-5204	Lexical Studies	(3+0)
ENG-5105	Morphology & SyntaxII	(3+0)	ENG-5205	Discourse Analysis	(3+0)
ENG-5106	Sociolinguistics	(3+0)	ENG-5206	Psycholinguistics	(3+0)
ENG-5107	Pedagogical Grammar	(3+0)			
ENG-5108	Poetry (14 th to 18 th Century)	(3+0)			
Total		(18+0)	Total		(15+0)

SEMESTER-VII			SEMESTER-VIII		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
ENG-6101	20th Century Literature (Poetry & Drama)	(3+0) cr.	ENG-6201	20 th Century Fiction & Non-fiction	(3+0)
ENG-6102	American Literature	(3+0)	ENG-6202	Teaching of Literature	(3+0)
ENG-6103	South Asian literature	(3+0)	ENG-6203	Literary Stylistics	(3+0)
ENG-6104	Translation Theory Literary Studies	(3+0)	ENG-6204	Literary Discourse & Journalistic Writing	(3+0)
ENG-6105	American Drama	(3+0)	ENG-6205	Science Fiction & Fantasy	(3+0)
ENG-6106	Afro-American Literature	(3+0)	ENG-6206	Emerging Forms of Literature	(3+0)
ENG-6107	Continental Literature	(3+0) cr.	ENG-6207	Research Project Phasel	(3+0)
ENG-6108	Research Project Phasel	(3+0) cr.	ENG-6208	Syllabus Designing & Testing	(3+0)
ENG-6109	Language Teaching Methodologies	(3+0) cr.	ENG-6209	Stylistics	(3+0)
ENG-6110	Pragmatics	(3+0) cr.	ENG-62010	Language, Culture & Identity	(3+0)
ENG-6111	Second Language Acquisition	(3+0) cr.	ENG-62011	Genre Analysis	(3+0)
ENG-6112	Research Methods in Linguistics	(3+0) cr.	ENG-62012	Research Project	(3+0)
ENG-6113	Translation Studies	(3+0) cr.	ENG-62013	Language in Education	(3+0)
ENG-6114	Media Discourse Analysis	(3+0) cr.	ENG-62014	English for Specific purposes	(3+0)
ENG-6115	World Englishes	(3+0) cr.	ENG-62015	Anthropological Linguistics	(3+0)
Total		(15+0)	Total		(15+0)



M.Phil English (2 Year)

Semester Wise Breakup

Course Codes	Title of the Courses	Credit Hrs.	Course Codes	Title of the Courses	Credit Hrs.
ENG-7101	Morphological Theories	03	ENG-7111	Managing and Writing Thesis	03
ENG-7102	Syntax I	03	ENG-7112	SLA	03
ENG-7103	Applied Linguistics	03	ENG-7113	Bilingualism	03
ENG-7104	Anthropological Linguistics	03	ENG-7114	Translation Studies	03
ENG-7105	Phonetics and Phonology	03	ENG-7115	CDA	03
ENG-7106	Research Methodology Advanced	03	ENG-7116	Advanced Stylistics	03
ENG-7107	Pragmatics	03	ENG-7117	Language and Gender	03
ENG-7108	Advanced Semantics	03	ENG-7118	Thesis MPhil	06
ENG-7109	English for Specific urposes	03	ENG-7110	Theories of Language Description	03



DEPARTMENT OF INTERNATIONAL RELATIONS & HISTORY

Faculty Members

1. **Dr. Unsa Jamshed**
2. **Dr. Shahid Hameed**
3. **Ms. Uzma Munshi**
4. **Ms. Rabia Mustafa**
5. **Ms. Bisma Faiz**
6. **Ms. Irum Yasin**
7. **Mr. Tahir Khan**
8. **Ms. Mehwish Kaleem**
9. **Ms. Sakeena Altaf**
10. **Ms. Madiha Rathore**
11. **Ms. Syeda Munir Fatima**

Assistant Professor

- Lecturer**
Lecturer
Lecturer
Lecturer
Lecturer
Jr. Lecturer
Visiting Lecturer
Visiting Lecturer
Visiting Lecturer
Visiting Lecturer



Dr. Shahid Hameed
Head of Department

Introduction

The Department of International Relations at Women University of Azad Jammu and Kashmir Bagh (WUAJKB) had been established in 2016 which ultimately provides an opportunity to female students of Azad Jammu and Kashmir to learn International Relations. Considering, the major political developments, both at regional and global level, it is imperative to make our young generation well informed viz-a-viz these developments. In 2021, the merger of History & Pak-studies field into IR department increased the strength and scope of the subject area. Despite several hurdles, the department has proved its importance and sound functioning. Department of International Relations conducted various seminars for students while considering their needs of learning and knowledge. Well reputed personalities visited the Department and shared their views by delivering lectures on various topics related to International Relations. These Seminars proved beneficial for enhancement of the personal and analytical abilities of the students. Department of IR & History is planning to launch M.Phil Program in near future.

Programs

1. B.S International Relations (4year)
2. M.Phil International Relations (2year)



BS International Relations (BS 4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
IR-31101	English I- Grammar and Composition	3	IR-32102	English II- Comprehension, Reading, and Prose	3
IR-31105	Pakistan Studies	2	IR-32106	Islamic Studies Ethics	2
IR-31109	Computer Skills for Social Sciences	3	IR-32202	Approaches and Theories of IR	3
IR-31201	Introduction to International Relations	3	IR-32204	General Course	3
IR-31403	General Course-Introduction to Economics	3	IR-32108	Introduction to Statistics	3
IR-31107	Basic Mathematics	3	IR-32207	Regional and International Regional Organizations	3
Total Cr.		17	Total Cr.		17

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
IR-41103	English III- Novel, Poetry, and Drama	3	IR-421103	English IV- Novel, Poetry, and Drama	3
IR-41210	International Politics of Environment	3	IR-42302	Conflict Reslution and Management	3
IR-41335	International Relations since 1648	3	IR-42204	Evolution of State	3
IR- 41206	Public International Law	3	IR-42306	Non- Traditional Security Threats	3
IR-41	General Course	3	IR-42214	Geo Political Structure of the World	3
IR-41209	Strategic Studies	3	IR-42	General Course	3
Total Cr.		18	Total Cr.		18



SEMESTER-V			SEMESTER-VI		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
IR-51	General Course	3	IR-52	General Course	3
IR-51432	General Course: Comparative and Developmental Politics	3	IR-52323	Elective Course: Seminar Course on International Law	3
IR-51315	Dimensions of Cyber Security	3	IR-52301	Dynamics of Kashmir	3
IR-51318	South Asia in World politics	3	IR-52213	Foreign Policy Analysis	3
IR-51312	Arms Control and Disarmament	3	IR-52205	IR since 1945	3
IR-51208	International Political Economy	3	IR-52203	Research Methodology	3
Total Cr.		18	Total Cr.		18

SEMESTER-VII			SEMESTER-VIII		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
IR-61	General Course	3	IR-62306	Elective Course	3
IR-61302	Foreign Policy of Pakistan	3	IR-62373	Seminar Course on Global Issues in International Relations	3
IR-61339	Elective Course: Feminism and International Relations	3	IR-62304	Comparative Foreign Policy of Major Powers: US, UK, Russian Federation and China	3
IR-61211	Globalization and International Relations	3	IR-62375	Research Report	3
Total Cr.		12	Total Cr.		12

M.Phil International Relations (2 Years)

Semester	Name of Subject	Credits
First	International Relations: Advanced Theory and Practice	3
	Advanced Research Methodology	3
	Traditional and Nontraditional Security Paradigms	3
	OPTIONAL-I	3
	Total	12
Second	OPTIONAL-II	3
	OPTIONAL-III	3
	OPTIONAL-IV	3
	OPTIONAL-V	3
	Total	12
Third and Fourth	Thesis/Dissertation	6



DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

Faculty Members

1. Aurangzeb Khan
2. Maryum Mustafa
3. Ayesha Fatima
4. Abida Khanum
5. Shamma Akbar

Deputy Director Sports
Junior Lecturer
Junior Lecturer
Junior Lecturer
DPE



Aurangzeb Khan
Head of Department

Introduction

The Department of Sports Sciences & Physical Education was established in 2015. This discipline provides an opportunity to our students to develop their skills in the field of Sports & Physical Education. The students in the Department of Sports Sciences and Physical Education are selected purely on merit basis and selection is based on a competitive examination and physical fitness test. Our students have access to well-equipped gymnasium of the Government Boys College and Stadium.

Programs

1. **BS Sports Sciences and Physical Education**



FACULTY OF HEALTH AND MEDICAL SCIENCES



Dr. Tahira Batool
Head of Department

Faculty Members

- 1. Dr. Tahira Batool, Pathologist**
- 2. Dr. Sadia Mumtaz**
- 3. Dr. Aftab Khan, MS DHQ Bagh**
- 4. Dr. Jameel Khan, Medical Specialist**
- 5. Miss Madiha Khalid**



Dr. Raja Aftab Ahmed Khan
Medical Superintendent
DHQ, Hospital Bagh

Faculty of Health and Medical Sciences is committed to contribute towards community by preparing health professionals who believe in interpersonal and intra-professional collaboration, critical analysis and are committed to lifelong learning to improve health and wellness of humanity through research and advancement in the scientific inquiry.

The Faculty of Health and Medical Sciences housing the Department of Allied Health Sciences has been established for BS students who are interested in the key areas of Bio Medical Sciences. The faculty is set to develop the modular format to allow a greater range of options within the program to meet the requirements of medically trained personnel who wish to pursue a teaching and research career in the medical and allied health sciences.

The Faculty of Health Sciences currently focuses on three areas of training i.e. BS Emergency Medical Technology, BS Clinical Laboratory Sciences and BS Diagnostic Radiology & Imaging Technology. These programs provide a sound understanding of human health, diseases and diagnostic approaches at the molecular level.

For clinical training of students, Faculty of Health and Biological Sciences is attached with District Head Quarter Hospital Bagh which has all the essential clinical departments. All clinical departments are furnished with modern equipment to provide high quality medical clinical training facilities.

Thus, the students are trained as field specialists, researchers and resource persons, well equipped with the methodologies of modern trends of teaching and research in the basic medical sciences. With trained and qualified faculty members, our Department is actively engaged in teaching as well as research productivity that is in-line with the local and international level in the fields of Pathology, Biochemistry and Medical Labs Sciences.

Programs

- 1. BS Emergency Medical Technology,**
- 2. BS Clinical Laboratory Sciences**
- 3. BS Diagnostic Radiology & Imaging Technology**

BS Emergency Medical Technology (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Cr. Hr.	Course Code	Course Title	Cr. Hr.
BMT-3101	Anatomy -I	3(2+ 1)	BMT-3201	Pathology	3(3+ 0)
BMT-3102	Physiology-I	3(2+ 1)	BMT-3202	Anatomy- II	3(2+ 1)
BMT-3103	Biochemistry-I	3(2+ 1)	BMT-3203	Physiology-II	3(2+ 1)
BMT-3104	Microbiology-I	3(2+ 1)	BMT-3204	Biochemistry -II	3(2+ 1)
BMT-3105	Pakistan Studies	3(3+ 0)	BMT-3205	Microbiology-II	3(2+ 1)
BMT-3106	Introduction to Computer & IT	3(3+ 0)	BMT-3206	Islamic Studies	3(3+ 0)
Total		(18+0)	Total		(18+0)

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-4301	Pathology - II	3(2+ 1)	BMT-4401	Pharmacology-II	3(2+ 1)
BMT-4302	Pharmacology - I	3(2+ 1)	BMT-4402	Critical Care- II	3(2+ 1)
BMT-4303	Emergency Medicine	3(3+ 0)	BMT-4403	Emergency Medicine-II	3(3+ 0)
BMT-4304	Critical Care- I	3(2+ 1)	BMT-4404	Applied Physics and Engineering Sciences	3(2+ 1)
BMT-4305	Arabic	3(3+ 0)	BMT-4405	Epidemiology and Biostatistics	2(2+ 0)
			BMT-4406	English Communication Skill	2(2+ 0)
Total		(15 +0)	Total		(16+0)

SEMESTER-V			SEMESTER-VI		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-5511	General Outlines of Emergency Management	4(3+ 1)	BMT-5611	Common Emergencies	4(3+ 1)
BMT-5512	Trauma	4(3+ 1)	BMT-5612	Emergency Skills in special disease	4(3+ 1)
BMT-5513	Resuscitation	4(3+ 1)	BMT-5613	Shock	4(3+ 1)
BMT-5514	Clinical Practicum	3(0+ 3)	BMT-5614	Clinical Practicum	3(0+ 3)
Total		(15+0)	Total		(15+0)

SEMESTER-VII			SEMESTER-VIII		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-6711	Obstetrical Emergencies & Intensive Care	3(2+ 1)	BMT-6811	Cardiac Life Support	4(3+ 1)
BMT-6712	Procedures and Therapeutic Interventions	3(2+ 1)	BMT-6812	Introduction to Biomedical Ethics	4(3+ 1)
BMT-6713	Advance Principles and Techniques	3(2+ 1)	BMT-6813	Research Methodology	4(3+ 1)
BMT-6714	Paediatric Emergencies & Intensive Care	3(3+ 0)	BMT-6814	Research Project (Thesis)	4(0+4)
BMT-6715	Clinical Practicum	3(0+ 3)			
Total		(15+0)	Total		(16+0)

Bachelor of Science (BS 4 Year) Clinical Laboratory Sciences

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-3101	Anatomy- I	3(2+ 1)	BMT-3201	Pathology	3(3+ 0)
BMT-3102	Physiology-I	3(2+ 1)	BMT-3202	Anatomy- II	3(2+ 1)
BMT-3103	Biochemistry-I	3(2+ 1)	BMT-3203	Physiology-II	3(2+ 1)
BMT-3104	Microbiology-I	3(2+ 1)	BMT-3204	Biochemistry -II	3(2+ 1)
BMT-3105	Pakistan Studies	3(3+ 0)	BMT-3205	Microbiology-II	3(2+ 1)
BMT-3106	Introduction to Computer & IT	3(3+ 0)	BMT-3206	Islamic Studies	3(3+ 0)
Total		(18+0)	Total		(18+0)

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-4301	Pathology - II	3(2+ 1)	BMT-4401	Pharmacology-II	3(2+ 1)
BMT-4302	Pharmacology - I	3(2+ 1)	BMT-4402	Critical Care- II	3(2+ 1)
BMT-4303	Emergency Medicine	3(3+ 0)	BMT-4403	Emergency Medicine-II	3(3+ 0)
BMT-4304	Critical Care I	3(2+ 1)	BMT-4404	Applied Physics and Engineering Sciences	3(2+ 1)
BMT-4305	Arabic	3(3+ 0)	BMT-4405	Epidemiology and Biostatistics	2(2+ 0)
			BMT-4406	English Communication Skill	2(2+ 0)
Total		(15+0)	Total		(16+0)

SEMESTER-V			SEMESTER-VI		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-5581	Cytology & Cytopathology	3(2+ 1)	BMT-5681	Cell and Molecular Biology Techniques	2 (2+0)
BMT-5582	Blood Transfusion	3(2+ 1)	BMT-5682	Molecular Biology Laboratory Course	3(2+ 1)
BMT-5583	Clinical Virology & Immunology	3(2+ 1)	BMT-5683	Essentials of Hematology-II	3(2+ 1)
BMT-5584	Essentials of Hematology-I	3(2+ 1)	BMT-5684	Clinical Biochemistry -II	3(2+ 1)
BMT-5585	Clinical Biochemistry I	3(2+ 1)	BMT-5685	Fundamentals of Infectious Diseases	2(2+ 0)
			BMT-5686	Principles of Genetics	2(2+ 0)
Total		(15+0)	Total		(15+0)

SEMESTER-VII			SEMESTER-VIII		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-6781	Clinical Endocrinology	3(2+ 1)	BMT-6881	Clinical Laboratory Management	3(2+ 1)
BMT-6782	Laboratory Methods in Immunology and Virology	3(2+ 1)	BMT-6882	Forensic Toxicology and Forensic Molecular Biology	4(3+ 1)
BMT-6783	Research Methodology	3(2+ 1)	BMT-6883	Clinical Practicum	3(0+ 3)
BMT-6784	Introduction to BioMedical Ethics	3(3+ 0)	BMT-6884	Body Fluids Analysis	3(2+ 1)
BMT-6785	Laboratory Sciences Standards & Quality Assurance	3(2+ 1)	BMT-6885	Research Project	3(0+ 3)
Total		(15+0)	Total		(16+0)

BS Diagnostic Radiology & Imaging Technology (4 Year)

Semester Wise Breakup

SEMESTER-I			SEMESTER-II		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-3101	Anatomy- I	3(2+ 1)	BMT-3201	Pathology	3(3+ 0)
BMT-3102	Physiology-I	3(2+ 1)	BMT-3202	Anatomy- II	3(2+ 1)
BMT-3103	Biochemistry-I	3(2+ 1)	BMT-3203	Physiology-II	3(2+ 1)
BMT-3104	Microbiology-I	3(2+ 1)	BMT-3204	Biochemistry -II	3(2+ 1)
BMT-3105	Pakistan Studies	3(3+ 0)	BMT-3205	Microbiology-II	3(2+ 1)
BMT-3106	Introduction to Computer & IT	3(3+ 0)	BMT-3206	Islamic Studies	3(3+ 0)
Total		(18+0)	Total		(18+0)

SEMESTER-III			SEMESTER-IV		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-4301	Pathology -II	3(2+ 1)	BMT-4401	Pharmacology-II	3(2+ 1)
BMT-4302	Pharmacology - I	3(2+ 1)	BMT-4402	CriticalCare- II	3(2+ 1)
BMT-4303	Emergency Medicine	3(3+ 0)	BMT-4403	Emergency Medicine-II	3(3+ 0)
BMT-4304	Critical Care -I	3(2+ 1)	BMT-4404	Applied Physics and Engineering Sciences	3(2+ 1)
BMT-4305	Arabic	3(3+ 0)	BMT-4405	Epidemiologyand Biostatistics	2(2+ 0)
			BMT-4406	English Communication Skill	2(2+ 0)
Total		(15+0)	Total		(16+0)

SEMESTER-V			SEMESTER-VI		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-5541	The X-Ray production	4 (3+1)	BMT-5641	Mammography	3(2+ 1)
BMT-5542	The Radiograph and image quality	4 (3+ 1)	BMT-5642	Radiation Physics & Radiation Safety	3(2+1)
BMT-5543	Radiographic positioning I	4 (3+1)	BMT-5643	Radiographic positioning II	3(2+1)
BMT-5544	Biomedical ethics	3(2+1)	BMT-5644	Fluoroscopy procedure and Image Intensifier	3(2+1)
			BMT-5645	Ultrasonography	3(2+1)
Total		(15+0)	Total		(15+0)

SEMESTER-VII			SEMESTER-VIII		
Course Code	Course Title	Cr.Hr.	Course Code	Course Title	Cr.Hr.
BMT-6741	Computerized Tomography	3(2+1)	BMT-6841	Angiography	3(2+1)
BMT-6742	Contrast media and Pharmacological agents in diagnostic imaging	3(2+1)	BMT-6842	PACS in Radiology	3(2+1)
BMT-6743	Digital Radiography and Computed Radiography	3(2+1)	BMT-6843	Magnetic Resonance Imaging	3(2+ 1)
BMT-6744	Diagnostic Procedures in Nuclear Medicine	3(2+1)	BMT-6844	Research Project	3(2+ 1)
BMT-6745	Image quality, artifact and quality control of X-Rays	3(2+1)	BMT-6845	Research Methodology	4 (3+1)
Total		(15+0)	Total		(16+0)

Semester Admission And Examinations Regulations

Admission Procedure

1. The admissions are offered in month of September/October every year for undergraduate programs and March/April for graduate / post graduate programs. --
2. In response to the advertisement by the University, a candidate interested in admission for any degree program shall have to submit an application for admission , on a prescribed form within the given time frame.
3. Candidates seeking admission on reserved seats (provinces of Punjab, Khyber Pakhtunkhwa, Sindh, Baluchistan, FATA, and Northern Area) must apply through their respective Provincial Departments/Nomination authorities.
4. Candidates shall be required to submit application forms, within the stipulated time, complete in all respects, along with attested copies of the following documents.
 - a. Detailed marks sheets and degree certificates of all required degrees.
 - b. Character certificate from the institution last attended.
 - c. Domicile.
 - d. Four passport size photographs.
 - e. Migration certificate (original) within 15 days after admission.
 - f. Computerized national identity card or form "B".

Registration

Students are required to choose the courses they wish to enroll in, prior to the start of a semester. For this purpose the University will publish a schedule for enrollment of students.

Course Registration and Withdrawal from Course(s)

- Every Student should register for the courses offered in the Semester on the prescribed proforma (UGS), to be submitted to the office of the DSA / Department, before commencement of classes.
- A student may be allowed to change a specific course on a proper request within one week of the registration.
- A student may be allowed to withdraw a specific course on a proper request. This will be reflected on the transcript with letter W and request for any refund will not be entertained.
- A student withdrawing after the 8th week shall be automatically awarded "F" grade which shall count in the GPA.

Registration of non-credit courses

A Student may register additional non-credit course(s) out of the prescribed faculty courses. On successful completion of degree, such course(s) shall be mentioned in the final transcript in the form of S/U basis. Such course(s) may be offered if the resources are available in particular disciplines.

Late Fee

At the start of every regular semester, candidate has to submit fee within given time frame. If any candidate failed to submit fee in given time, she would be charged 10% late fee.

Repeating Course

- Repeating a course shall entail all the essential components of a course including attendance, assignments, class tests, midterm and terminal examination.
- If a student gets 'F' grade, she will be required to repeat the course.
- Undergraduate students may be allowed to repeat a course in which she has obtained Grade 'C'. In such a case both the course and the grade obtained, will be recorded on the transcript, however, only the better grade shall be used in the calculation of CGPA.

Students Orientation

The Directorate of Student Affairs shall organize undergraduate/graduate students' orientation in consultation with Deans of the respective faculties.

Attendance

- A student will be allowed to appear in examination only if she has attended 80% of the lectures/seminars delivered to her class in each course and 80% of the practical prescribed for the respective courses.
- Calculation of attendance shall start from the date of commencement of classes.
- A date-wise record of the attendance of students shall be maintained by the respective teacher in each course.
- The period of absence in case of participation in co-curricular/sports activities with the permission of the competent Authority may not be counted, as absence.
- Absence from class for two consecutive weeks or more without any genuine reason shall entail cancellation of admission in the course by the class teacher which would only be restored on appeal to the concerned teacher made within 05 days of the cancellation order with payment of Rs. 1000.

- Absence from a class for four or more consecutive weeks will debar the student from examination and the course will be considered dropped. She will be required to repeat the dropped course.
- No leave what so ever shall be counted as relaxation in attendance requirement?

Degree Requirements

A student shall be awarded the degree in her respective discipline provided that she completed the faculty courses, project/field work/thesis, internship/practical training and comprehensive oral examination within the prescribed period. The description of various courses is as follows:

Examination

In each semester, students may be required to appear in quizzes, midterms, final examinations, presentations (individual/group), and group discussion and submit projects/assignments/lab reports. These assessment marks (to be determined by the teacher concerned) will have different weightage contributing towards the overall assessment in percent marks.

Examination Procedure

- A mid-term Examination shall carry 30-50% of the total marks, allocated for the course. This Examination shall be held by the teacher concerned who shall determine the form of the Examination.
- In addition, quizzes, special home assignments and / or term papers shall carry 10% of the total marks allocated for the course, which shall be uniformly split over the whole semester.
- The final Examination shall be held at the end of the Semester and shall carry 35-50% of the total marks allocated for the course.
- For the purpose of evaluation, each course shall carry 100 marks. These marks shall be divided in accordance with the credit assigned to theory/practical for the each course.
- The student shall have to pass theory and practical examination separately. Failure in any one shall result in failure of subject and student shall have to repeat the whole course including theory and practical examination, if eligible otherwise.
- Two credit hours of theory shall be equivalent to one credit hour of practical in terms of time.
- There shall be no break in the date sheet for midterm examinations.

Example:

Credits	Mid Test	Sessional Marks		Sessional Exam.	Terminal Exam.	Practical Exam.	Total Marks
		Quizzes	Assignments				
4(3-1)	25	5	5	35	40	25	100
3(2-1)	25	5	5	35	45	20	100
3(3-0)	30	10	10	50	50	00	100
2(2-0)	30	10	10	50	50	00	100
1(1-0)	30	10	10	50	50	00	100
4(4-0)	30	10	10	50	50	00	100
2(0-2)	00	00	00	00	00	100	100

Examination Rules and Regulations

- In case a student joins a course late , she will claim no compensation for any missed quizzes, assignments and lectures. The concerned teacher may, however, give assignments, projects, Labs and any other class activity, if possible.
- If a student misses a class test because of an emergency or because of her illness, for which she has obtained prior permission from the teacher concerned, in writing, she shall take a test. A test will be arranged only once. A student, who fails to appear in the test, will be awarded zero marks in that particular test.
- Minimum time allowed for midterm examinations shall be one hour and that for the Final Term examinations shall be 2 hours.
- There will be no supplementary/special examination in semester system, if a student fails she will have to repeat the course as per rules. In order to pass a course, a student must obtain at least 50% marks in aggregate in that course, i.e. marks obtained in class tests/assignments, etc., plus marks obtained in midterm plus marks obtained in final examination. It will also be essential to pass practical examination separately, where involved.
- In case of any field work, in any specific discipline, the concerned department/ institution shall determine an appropriate method of evaluation.
- After marking the class tests, quizzes, midterm and the final examinations the answer sheets must be shown to the students and discussed with the class. Any question relating to marking should be discussed with the individual student but the answer sheets, projects, assignments, term papers, etc., should be recollected from the students immediately after the students have seen their performance and kept safely for record.
- All evaluations in semester system shall be internal. The concerned teachers in all respective courses shall evaluate the students.

- Each department shall have a Departmental Examination Committee, consisting of at least 3 members to decide all problems regarding evaluation. The decision of the committee shall be final.
- A handicapped/disabled student will be provided writer at the expense of the student concerned on the recommendations of the Chairman of the teaching department. The writer shall be of a lower grade of education than the candidate. She will be allowed 45 minutes for solving the question paper over and above the time stipulated for a question paper.

Grading System

- Maximum possible grade point average (GPA) will be 4.00
- Minimum GP will be 2.00 on 50% marks and with the increase of 1.5% marks GP value will be as

Marks Obtained (%)	Grade Point	Letter Grade	Marks Obtained (%)	Grade Point	Letter Grade
Below 50 %	0.0	F	65.0	3.0	B
50.0	2.0	C	65.5	3.0	B
50.5	2.0	C	66.0	3.0	B
51.0	2.0	C	66.5	3.1	B
51.5	2.1	C	67.0	3.1	B
52.0	2.1	C	67.5	3.1	B
52.5	2.1	C	68.0	3.2	B
53.0	2.2	C	68.5	3.2	B
53.5	2.2	C	69.0	3.2	B
54.0	2.2	C	69.5	3.3	B
54.5	2.3	C	70.0	3.3	B
55.0	2.3	C	70.5	3.3	B
55.5	2.3	C	71.0	3.4	B
56.0	2.4	C	71.5	3.4	B
56.5	2.4	C	72.0	3.4	B
57.0	2.4	C	72.5	3.5	B
57.5	2.5	C	73.0	3.5	B
58.0	2.5	C	73.5	3.5	B
58.5	2.5	C	74.0	3.6	B
59.0	2.6	C	74.5	3.6	B
59.5	2.6	C	75.0	3.6	B

60.0	2.6	C	75.5	3.7	B
60.5	2.7	C	76.0	3.7	B
61.0	2.7	C	76.5	3.7	B
61.5	2.7	C	77.0	3.8	B
62.0	2.8	C	77.5	3.8	B
62.5	2.8	C	78.0	3.8	B
63.0	2.8	C	78.5	3.9	B
63.5	2.9	C	79.0	3.9	B
64.0	2.9	C	79.5	3.9	B
64.5	2.9	C	80.0 and above	4.0	A

Formula

GPA = $\frac{\text{Sum over Courses in Semester (Course Credit Hours X Grade Point Earned)}}{\text{Total Semester Credit Hours}}$

C.GPA = $\frac{\text{Sum over all taken Courses in all Semesters (Course Credit Hours X Grade Point Earned)}}{\text{Total Credit Hours Taken in all Semesters}}$

Promotion Criteria

- For undergraduate programs the minimum qualifying C.GPA is 2.5/4.00.
- Whenever an undergraduate student's C.GPA decreases from a specified threshold in a semester then, she will be on “f Probation” for the next semester. If the student does not achieve required specified CGPA in next semester, the student will go on “ Last Probation”. If the student who was earlier on “ Last Probation”, does not come out by achieving the minimum specified C.GPA in the subsequent semester, the student will be “Relegated” to previous semester and allowed to repeat the whole semester (last attended) once only by sitting with the students of junior session. Thereafter, If still she fails to achieve the required CGPA she shall be dropped from the Institute. The required/threshold CGPA for each semester, in undergraduate degree program is given below.
- The relegated student will wait for a semester so that the junior session will reach the semester in which she has been relegated, in the meantime the student can repeat the failed courses offered by the faculty (i.e., no special course will be offered).

Promotion Criteria for Undergraduate Programs:

Semester No.	GPA/CGPA	Remarks
1st	1.7	If CGPA<1.7 1 st Probation
2nd	1.7	If CGPA<1.7 2 nd Probation
3rd	1.9	If CGPA<1.9 relegation
4th	2.0	If student is unable to come out of relegation by Improving CGPA from 2, then student will be dropped from University rolls. A student will be allowed only once to take the readmission in 1 st semester after being dropped.
5th	2.0	
6th	2.0	
7th	2.0	
8th	2.5	

Promotion Criteria for Graduate Programs:

Semester No.	GPA/CGPA	Remarks
1st	2.0	If CGPA<2.0 1 st Probation
2nd	2.2	If CGPA<2.2 2 nd Probation
3rd	2.4	If CGPA<2.4 Dropped
4th	2.5	

Fee Structure of Academic Year 2022-23

BS Physics, BS Chemistry, BS Botany, BS Biotechnology, BS Microbiology, BS Environmental Sciences, BS Zoology, BS Mathematics and BS Statistics

Fee Codes	Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	9th Semester and onward (if applicable)
F001(Admission Fee)	4400								
F002(Registration Fee)	2200								
F003((Security Fee) (Refundable)	2750								
Sub. Total. A.	9350								
B. F004((Tuition Fee)	24200	24200	26620	26620	29260	29260	30800	30800	41250
F005(Library Fee/Lab/IT)	3300	3300	3630	3630	3960	3960	4400	4400	
F006(Examination Fee)	1650	1650	1815	1815	1980	1980	2200	2200	
F007	550	550	605	605	660	660	715	715	
F011(Transcript Fee)								1100	
F012 (Endowment Fund)	550	550	605	605	660	660	715	715	
F013(Development charges)	550	550	550	550	550	550	550	550	
F014(Thesis/Report Writing)								770	
Sub-Total C:	6600	6600	7205	7205	7810	7810	8580	10450	
Grand Total (A+B+C)	40150	30800	33825	33825	37070	37070	39380	41250	
* Students applying for admission in 5 th Semester (Lateral Entry) will pay admission fee (F001), Registration Fee (F002) and Security (F003) along with total semester fee in 5th semester.									

**BBA, B.Com, BS Banking and Finance, B.Ed. (Hons.) (Elementary/Secondary),
BS Psychology, and BS Sports Sciences & Physical Education, BS Sociology
B.Ed. (1.5 Year), B.Ed. (2.5 Year)**

Fee Codes	Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	9th Semester and onward (if applicable)
F001(Admission Fee	4400								
F002(Registration Fee)	2200								
F003((Security Fee) (Refundable)	2750								
Sub. Total. A.	9350								35530
B. F004((Tuition Fee)	20900	20900	23100	23100	25850	25850	27500	27500	
F005(Library Fee/Lab/IT)	1650	1650	1980	1980	1980	1980	1980	1980	
F006(Examination Fee)	1650	1650	1815	1815	1980	1980	2200	2200	
F007	550	550	660	660	660	660	715	715	
F011(Transcript Fee)								1100	
F012 (Endowment Fund)	550	550	605	605	660	660	715	715	
F013(Development charges)	550	550	550	550	550	550	550	550	
F014(Thesis/Report Writing)								770	
Sub-Total C:	4950	4950	5610	5610	5830	5830	6160	8030	
Grand Total (A+B+C)	35200	25850	28710	28710	31,680	31680	33660	35530	
* Students applying for admission in 5 th Semester (Lateral Entry) will pay admission fee (F001), Registration Fee (F002) and Security (F003) along with total semester fee in 5th semester.									

BS Computer Science/Information Technology and BS Data Science

Fee Codes	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	9th Semester and onward (if applicable)
F001 (Admission Fee)	4400								
F002 (Registration Fee)	2200								
F003 ((Security Fee) (Refundable)	4400								
Sub. Total. A.	11000								
B. F004((Tuition Fee)	20900	20900	23100	23100	24750	24750	26400	26400	
F005 (Library Fee/Lab/IT)	3300	3300	3630	3630	3960	3960	4400	4400	
F006(Examination Fee)	1650	1650	1815	1815	1980	1980	2200	2200	
F007(sport Fee)	550	550	660	660	660	660	715	715	
F011(Transcript Fee)								1100	
F012 Endowment Fund)	550	550	605	605	660	660	715	715	
F013(Development charges)	550	550	550	550	550	550	550	550	
F014 (Thesis/Report Writing)								770	
Sub-Total C:	6600	6600	7260	7260	7810	7810	8580	10450	
Grand Total (A+B+C)	38500	27500	30360	30360	32560	32560	34980	36850	36850
* Students applying for admission in 5 th Semester (Lateral Entry) will pay admission fee (F001), Registration Fee (F002) and Security (F003) along with total semester fee in 5th semester.									

BS Economics, BS Economics and Finance, BS English, BS International Relations, BS Islamic Studies

Fee Codes	Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	9th Semester and onward (if applicable)
F001(Admission Fee)	4400								
F002(Registration Fee)	2200								
F003((Security Fee) (Refundable)	2750								
Sub. Total. A.	9350								
B. F004((Tuition Fee)	19800	19800	22000	22000	24860	24860	26950	26950	34980
F005(Library Fee/Lab/IT)	1650	1650	1980	1980	1980	1980	1980	1980	
F006(Examination Fee)	1650	1650	1815	1815	1980	1980	2200	2200	
F007(Sports fee)	550	550	660	660	660	660	715	715	
F011(Transcript Fee)								1000	
F012 (Endowment Fund)	550	550	605	605	660	660	715	715	
F013(Development charges)	550	550	550	550	550	550	550	550	
F014(Thesis/Report Writing)								700	
Sub-Total C:	4950	4950	5610	5610	5830	5830	6160	8030	
Grand Total (A+B+C)	34100	24750	27610	27610	30,690	30690	33110	34980	
* Students applying for admission in 5 th Semester (Lateral Entry) will pay admission fee (F001), Registration Fee (F002) and Security (F003) along with total semester fee in 5th semester.									

BS Emergency Medical Technology, BS Clinical Laboratory Science, BS Diagnostic Radiology & Imaging Technology, BS Surgical & Operation Theater

Fee Codes	Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	9th Semester and onward (if applicable)
F001(Admission Fee)	4400								
F002(Registration Fee)	2200								
F003((Security Fee) (Refundable)	2750								
Sub. Total. A.	9350								
B. F004((Tuition Fee)	28600	28600	30030	30030	32450	32450	34650	34650	45100
F005(Library Fee/Lab/IT)	3300	3300	3630	3630	3960	3960	4400	4400	
F006(Examination Fee)	1650	1650	1815	1815	1980	1980	2200	2200	
F007(Sports Fee)	550	550	660	660	660	660	715	715	
F011(Transcript Fee)								1100	
F012 (Endowment Fund)	550	550	605	605	660	660	715	715	
F013(Development charges)	550	550	550	550	550	550	550	550	
F014(Thesis/Report Writing)								770	
Sub-Total C:	6600	6600	7260	7260	7810	7810	8580	10450	
Grand Total (A+B+C)	44550	35200	37290	37290	40260	40260	43230	45100	

For all M.Phil Programs in Faculty of Sciences and Technology

Fee Codes	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester and onward (if applicable)
F001(Admission Fee	5500				45500
F002(Registration Fee)	2200				
F003((Security Fee) (Refundable)	2750				
Sub. Total. A.	10450				
B. F004((Tuition Fee)	34650	34100	35550	35550	
F005(Library Fee/Lab/IT)	3300	3300	3650	3650	
F006(Examination Fee)	1650	1650	1800	1800	
F007(sports Fee)	550	550	600	600	
F011(Transcript Fee)				1100	
F012 (Endowment Fund)	550	550	600	600	
F013(Development charges)	550	550	550	550	
F014(Thesis/Report Writing)				1650	
Sub Total C:	6600	6600	7200	9950	
Grand Total(A+B+C):	51700	40700	42750	45500	

For all M.Phil/MS Programs in Faculty of Arts and Social Sciences

Fee Codes	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester and onward (if applicable)
F001 (Admission Fee)	5500				
F002 (Registration Fee)	2200				
F003((Security Fee) (Refundable)	2750				
Sub. Total. A.	10450				
B. F004 (Tuition Fee)	31900	31900	34100	34100	
F005 (Library Fee/Lab/IT)	1650	1650	2000	2000	
F006 (Examination Fee)	1650	1650	1800	1800	
F007 (Sports Fee)	550	550	600	600	
F011 (Transcript Fee)				1100	
F012 (Endowment Fund)	550	550	600	600	
F013 (Development charges)	550	550	550	550	
F014 (Thesis/Report Writing)				1650	
Sub Total C:	4950	4950	5550	8300	
Grand Total(A+B+C):	47300	36850	39650	42400	42400

All PhD Programs of Faculty of Science and Technology

Fee Codes (Heads)	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester and onward (if applicable)
F001 (Admission Fee)	7000						
F002 (Registration Fee)	2000						
F003 (Security Fee) (Refundable)	5000						
Sub-Total A:	14000						45000
B. F004 (Tuition Fee)	40000	40000	42500	42500	45000	45000	
F005 (Library Fee/Lab/IT)	3000	3000	3300	3300	3600	3600	
F006 (Examination Fee)	1500	1500	1650	1650	1800	1800	
F011 (Transcript Fee)						1000	
F012 (Endowment Fund)	500	500	550	550	600	600	
F013 (Development charges)	500	500	500	500	500	500	
F014 (Thesis/Report Writing)						37950	
Sub-Total C:	5500	5500	6000	6000	6500	45450	
Grand Total (A+B+C)	59500	45500	48500	48500	51500	90450	

Allocation of Seats AJK Nationals 30 seats in each discipline.

Details of reserved seats for female candidates are as under:-

S.#	Reserved Category	Number of seats in each Dept. /inst.	Issuing Authority
01	Daughter of School Teachers	01	Secretariat of School Govt of AJ&K
02	Daughter of College Teacher	01	Secretariat of Collages Govt of AJ&K
03	Daughter of University employee	01	Nomination by VC Office
04	Daughter of University teachers	01	Nomination by VC Office.
05	Gilgit Baltistan/Northern Areas	02	
06	Physically Disable	02	
07	Sport seats	01	
08	Refuges Jammu & Kashmir (settled in Pakistan)	02	
09	Jammu & Kashmir 8992	01	
10	Punjab	01	
11	Baluchistan	01	
12	KPK/FATA	2	
13	Sindh	01	
14		01	
15	Daughter of Armed Forces	01	Nomination by GHQ.
16	Self-Support Seats	08	In each Discipline
	Total	57	

WUAJ&K CONSTRUCTION PLAN (OPERATING+FUTURE)

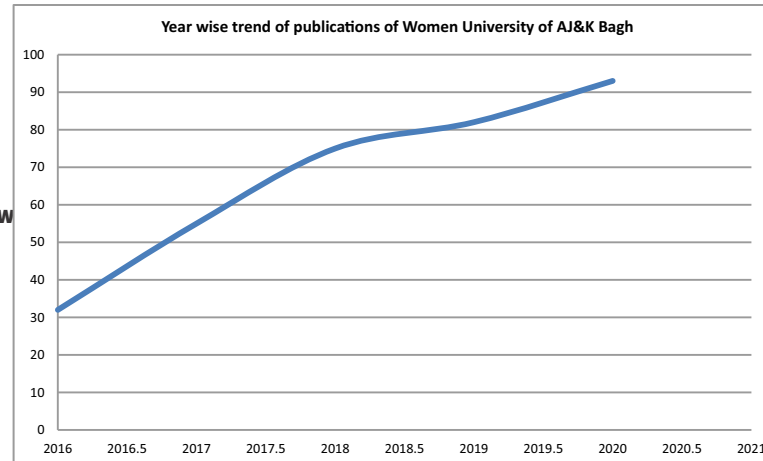
The Women University of AJ&K Bagh has a long due construction plan which went through years of delay due to numerous reasons and is operating now. Currently, the process of hiring for the personnel (contractor, consultants and labor staff) is under process and the major construction will be started as soon as the process completes. The time period for the construction is 3 years in which two academic blocks (fully equipped with laboratories) with an accommodation space of 2500-3000 students for two respective faculties (Sciences and Arts and Social Sciences), Administration Block, Medical Centre, Cafeteria, Central Library, Multipurpose Hall, Tuck-Shop, Mosque, Parking, Workshop and Store will be constructed. In addition, a boundary wall, walkways, street lights, and two main gates will also be constructed and fixed respectively. An electricity feeder consisting of 5 transformers will also be installed for the supply of electricity for the university separately.

Moreover, another private land of almost 50 kanals in Saleha Maldahyala, adjacent to Bani Pasari is also included in future plan and will be bought for a sports complex later on.

The plan went through following phases:

- P&D department prepared a PC-1 entitled "Establishment of AJK Women University, Bagh, AJ&K" with the cost of Rs. 819.816 million and the project was approved from the respective forum of CDWP Planning Commission, GoP in its meeting held on August 04, 2016 through Higher Education Commission (HEC) and its Civil Work component could not be executed due to litigation of Site selection and unavailability of land.
- Another development project entitled "Acquisition of land for Women University of AJ&K Bagh" with the cost of Rs. 378.979 million prepared and submitted to P&DD, GoAJ&K through Higher Education Secretariat in April, 2019 and was deferred due to unavailability of funds.
- The Court case regarding site selection of the university has been settled in January, 2021. GoAJ&K has transferred a piece of crown land comprising 2054 kanal and 04 marla at BaniPasari, Tehsil and District Bagh to the University.
- P&D department prepared and submitted a position paper for site change to execute the pending civil work at Bani Pasari to the respective forum of DDWP, HEC and it has been approved by the forum in its meeting held on March 19, 2021. Now the working on Building designs is at final stage.
- The department prepared and submitted a concept paper for inclusion of new development project in the PSDP 2021-22 and it was approved by the Concept Clearance Committee, Planning Commission in its meeting held on February 19, 2021.
- The department prepared and submitted a development project titled "Strengthening of the Women University of AJ&K Bagh" with the cost of Rs. 1,090.914 million and the project approved from the forum of DDWP, HEC in its meeting held on March 19, 2021 after the clearance of Concept Paper. Currently hiring of Consultant and recruitment of Project Staff is in progress.

- The department prepared and submitted a development project titled "Acquisition of Land for Women University of AJ&K Bagh" with the cost of Rs. 168.058 million to P&DD, GoAJ&K through Higher Education Secretariat and will be presented to the respective forum AKDWP in forth coming meeting.
- GoAJ&K has released Rs.20.000 millions to LG&RD in two installments for construction of temporary academic structure for Women University of AJ&K Bagh. LG&RD department has completed 60% construction at Bani Pasari to cater the immediate academic needs. Rest of the work is under progress.



Contact Us

Vice Chancellor Secretariat	Tel/Fax: 05823-960033
Office of the Dean Faculty of Arts & Social Sciences	Tel: 05823-960053
Office of the Registrar	Tel: 05823-960034
Department of Finance & Accounts	Tel: 05823-960037, 960038
Directorate of Student Affairs	Tel: 05823-960043
Controller of Examinations	Tel: 05823-960041, Fax: 05823-960042
Department of Planning and Development	Tel/Fax: 05823-960032[
Office of Treasurer	Tel: 05823-960038
Office of the Public Relations	Tel: 05823-960035
Quality Enhancement Cell	Tel: 05823-960047
Information Technology Centre	Tel: 05823-960044
Audit Section	Tel: 05823-960040
Security Office	Tel: 05823-960052



Prospectus Committee



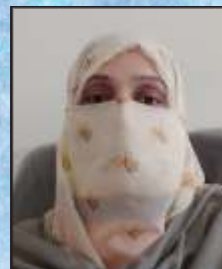
Dr. Muhammad Mushtaq
Dean, Faculty of Arts and Social Sciences
Chairperson



Dr. Syed Shazia Khtoon
Director Student Affairs
Member



Ms. Saiqa Yousuf
Lecturer, Chemistry
Member



Ms. Sadia Nazar
Lecturer, Zoology
Member



Qamar Ahmed
Lecturer, Business Admin.
Member



Naeem Asghar
Assistant Director Finance,
Member



Muhammad Imran Khan
Public Relations Officer
Member



Mr. Umer Aziz
Senior Computer Operator
Designer



Imad Irfan
Assistant

PROPOSED MASTER PLAN WOMEN UNIVERSITY BAGH, A.J.K



- PROPOSED BUILDING
- FUTURE BUILDING
- EXISTING BUILDING
- COMMERCIAL
- NEW ROAD
- EXISTING ROAD

LEGEND:

- 1- ENTRANCE GATE + SECURITY OFFICES
- 2- ADMISSION OFFICE
- 3- COMMERCIAL AREA WITH BANK
- 4- WORKSHOP + TRANSPORT + PARKING
- 5- SPORTS FIELD + SWIMMING POOL
- 6- MOSQUE
- 7- AUDITORIUM
- 8- MULTI-PURPOSE HALL
- 9- PARKING
- 9a- PARKING FOR UNIVERSITY
- 10- LIBRARY PHASE-1
- 11- ADMIN BLOCK-1
- 11- ADMIN BLOCK-2
- 12- ACADEMIC BLOCK
- 13- STUDENT HOSTELS
- 14- CAFETERIA & TUCK SHOP
- 15- FACULTY HOSTELS
- 16- LOWER SCALE RESIDENCES
- 17- HIGHER SCALE RESIDENCES
- 18- OPEN AIR THEATRE
- 19- INSTITUTE OF HEALTH SCIENCE
- 20- ENGINEERING DEPARTMENT OF EXCELLENCE
- 21- V.C HOUSE
- 22- EXISTING BUILDINGS
- 23- COMMERCIAL SHOPS
- 24- MEDICAL CENTER
- 25- GUEST HOUSE
- 26- DOCTOR RESIDENCE
- 27- PRIMARY SCHOOL
- 28- ZOO
- 29- ORCHARDS
- 30- PARK

Disclaimer

With a maximum assurance of correct information at the time of compilation, the Undergraduate, Graduate and Postgraduate Prospectus 2021-22 of Women University AJ&K Bagh is published. The institution reserves the right of making changes with the passage of time, regarding any kind of inconsistency, change in regulations or programs or necessary interpretation, if required. The decision, so made, shall be final on the part of the institution. This prospectus is just an informative document, rather than a contractor bond between any person(s) and the institution.