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(ACADEMIC SECTION)

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No. UOM/Acad/26/124

Dated: 18-May-2026

NOTIFICATION

It is notified for the information of all concerned that the Syndicate in its 66th meeting held on 27-Apr-2026 [vide Supply Item No. 2(1)], upon endorsement of the Academic Council, approved the recommendations of the BOF, Faculty of Biological Sciences vide Item No. 01 of its meeting held on 02.02.2026 concerning *the revised Pharm-D Curriculum 2025 (semester-based system) for implementation with effect from the academic year 2025 onward*

Encl: (*Revised Pharm-D Curriculum 2025*)

Assistant Registrar Academics

Copy for information and necessary action (if any) to:

1. Dean, Faculty of Biological Sciences
2. Chairperson, Department of Pharmacy
3. Director IT, *with the request to upload the same on University website.*
4. PS to Vice-Chancellor
5. PA to Registrar
6. Relevant File

Assistant Registrar Academics

**DEPARTMENT OF PHARMACY
PHARM-D PROGRAM
Curriculum 2025**

Course Title: Bio-Ethics

Course Code: PHARM 115

Credit Hour: 02

Category: General Education

Course Description:

This course elaborates the importance of Professional-Ethics in the practical life of professionals. First part of the course acquaints the students about the ethical viewpoint of Islam with reference to the general code of conduct, which is observed by the professionals. The second part develops students' in-depth understanding of the specific professional activities that are carried out in performing their professional duties. This part also explains how professional issues are resolved being applying professional skills and abilities, keeping the standards prescribed by the Qur'an and Sunnah. The course enhances the ethical and moral standards of professional life and ensures how professional excellence can be achieved. It also provides a way of maintaining a balanced attitude between professional and personal codes of conduct and makes professionals as good citizens. Overall, the course aims at giving deducing guidelines and instructions to the students for their professional morality from the Qur'anic teachings and Sunnah of the Prophet (ﷺ).

Course Goals:

1. To develop Good Muslim Professionals in their professional life
2. To highlight the role of ethics in personality development
3. To inculcate professional ethics in the respective fields
4. To provide ethically equipped professionals to meet the contemporary challenges in multiple professional fields.

Course Learning Objectives (CLOs):

1. General Objectives:

Upon successful completion of the course, the students will be able to:

- i. Learn basic ethical values needed to build ethical conduct
- ii. Help in development of moderate balanced personalities
- iii. Explore relevance between ethics and professionalism
- iv. Build capacity to think critically on ethical issues in respective professions

2. Specific Objectives:

a. Knowledge:

- i. To understand the basic concepts of ethics and morality and professional life from Islamic perspective excellence
- ii. To develop leadership qualities needed for social change and professional

b. Skills:

The course develops some of the following skills in students on its successful completion. The students:

- i. Think critically on ethical issues and their solutions.
- ii. Apply the Islamic ethical values in their professional fields.
- iii. Develop the competencies needed for creation of a fair social order.
- iv. Develop innovative solutions.
- v. Become entrepreneur with lawful (halal) resources and avoid unlawful/haram means of earning.
- vi. To analyze/observe the traditional Islamic professional practice in respective field.

c. Attitude/Behavior:

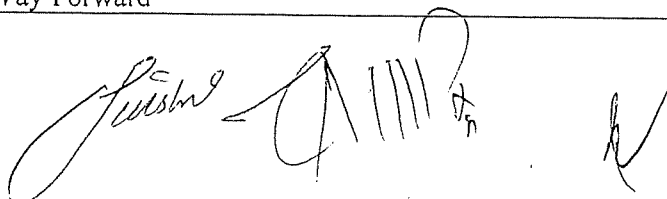
- i. To develop sensible, responsible, truthful, and accountable professionals who can perform leading roles in their respective fields
- ii. To construct a creative and innovative approach with commitment to professional and moral responsibility

Teaching Methodology:

- Interactive lectures linked to theory & practice
- Activity-Based Learning (ABL)
- Experiential Learning (EL)
- In-House Seminars/ Workshops.
- Presentations/ Exhibitions
- Community Projects/ Study Visits
- Online audios/videos

Course Contents Professional Ethics: Part-I

- 1. Introduction to Professional Ethics**
 - a) Definition and meaning of ethics
 - b) Importance and classification of ethics
 - c) Major characteristics of Islamic ethics
 - d) Universality of Islamic Ethics and Morality
 - e) Distinction of Islamic ethics to secular ethics
- 2. Universal Islamic Ethical Values**
 - a) Unity (*Tawhid*)
 - b) Preservation of religio-cultural freedom (*Din*)
 - c) Equity, justice, fairness (*'adl*)
 - d) Protection and promotion of life (*Nafs*)
 - e) Protection of reason (*'aql*)
 - f) Protection and dignity of gene and genealogy (*Nasl*)
 - g) Protection of property (*Maal*)
- 3. Strategic Time Management**
 - a) Time: An Importance of Time in Islamic Paradigm
 - b) Time Quadrants Matrix
 - c) Sleep / Rest Management
- 4. Stress Management**
 - a) Workload Management
 - b) Prioritization of professional tasks and assignments
 - c) Anger Management
 - d) Conflict Management
- 5. Strategic Teamwork**
 - a) Consultation
 - b) Respect of Opinion
 - c) Planning
 - d) Execution
- 6. Leadership**
 - a) Vision
 - b) Decision Making
 - c) Leniency
 - d) Counseling
- 7. Personal-Professional Life Management**
 - a) Obligation and Rights of Personal-Professional Life
 - b) Challenges/Hurdles
 - c) Way Forward



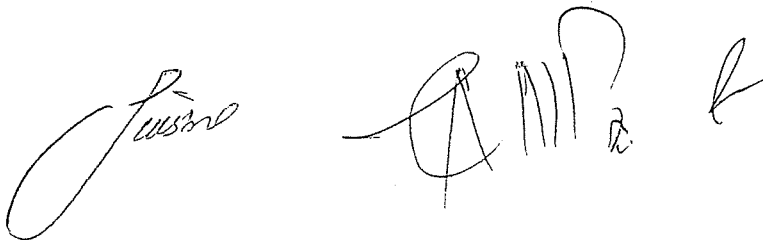
Course Contents Professional Ethics: Part-II

1. Specific Issues:

- a) The process of expansion of universe.
- b) Beginning of Life, Evolution Stages & End
- c) Truth about Big Bang Theory (Creation of Universe).
- d) Purpose of Creation of Mankind & Who Created it
- e) Revealed Sciences.
- f) Difference between Creator & creatures, a comparative study
- g) Law of Conservation of Matter
- h) Balance
- i) Education

2. Bio-Medical Ethical issues

- a) Dissection on dead bodies
- b) Theory of Evolution
- c) Genetic engineering
- d) Postmortem
- e) Cloning, therapeutic/reproductive and Parthogenesis
- f) Stem cell engineering.
- g) Surrogate mother.
- h) Medical aspects and moral implications of Rape.
- i) Ancient Medicine and Surgery
- j) *Tib-a-Nabavi* (SAS)
- k) Muslim contribution to Medicine and Surgery
- l) Modern medicine
- m) Infertility and its ethical an psychological effects.
- n) Organ Transplant and donation
- o) Cosmetic Surgery
- p) Commercial use of human remains
- q) Gender selection
- r) Deformation
- s) Abortion
- t) Population Planning
- u) Code of ethic in social life to protect from extremism & Clashes.
- v) Medical profession as a mission of curing not only physical problems but also treatment of whole human, including spiritual and moral problems.
- w) Sexual misconduct, obscenity; disrespect for relations.
- x) Persecution & Human Right
- y) Embryological Development of Reproductive System.
- z) Bribe

The image shows three handwritten signatures or initials in black ink. The first is a cursive signature that appears to be 'Jusno'. The second is a stylized signature or set of initials, possibly 'A.M.P.'. The third is a simple, sketchy signature or mark.

Pharm-D Revised Curriculum 2025**SEMESTER I**

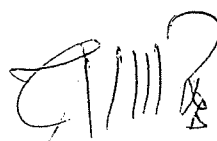
S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 111	Physical Pharmacy - I	3	Major
2	PHARM 111L	Physical Pharmacy – I(Lab)	1	Lab
3	PHARM 112	Organic Chemistry - I	3	Major
4	PHARM 112 L	Organic Chemistry – I(Lab)	1	Lab
5	PHARM 113	Biochemistry – I	2	Major
6	PHARM 113 L	Biochemistry – I(Lab)	1	Lab
7	PHARM 114	Physiology-I	3	Int-Dis
8	PHARM 114 L	Physiology-I (Lab)	1	Lab
9	ENG 101	Functional English *	3	Gen-Ed
10	PHARM 115	Bioethics	2	Gen-Ed
11	ISL 215	Fehm-e-Quran I	1	Gen-Ed
TOTAL CREDITS (21)				

SEMESTER II

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 121	Physical Pharmacy - II	3	Major
2	PHARM 121L	Physical Pharmacy - II(Lab)	1	Lab
3	PHARM 122	Organic Chemistry - II	3	Major
4	PHARM 122 L	Organic Chemistry - II(Lab)	1	Lab
5	PHARM 123	Biochemistry – II	2	Major
6	PHARM 123 L	Biochemistry – II(Lab)	1	Lab
7	PHARM 124	Physiology-II	2	Int-Dis
8	PHARM 124 L	Physiology-II(Lab)	1	Lab
9	PHARM 125	Anatomy & Histology	3	Int-Dis
10	PHARM 125 L	Anatomy & Histology(Lab)	1	Lab
11	ENG 102	Expository writing	3	Gen Edu
TOTAL CREDITS (21)				

SEMESTER III

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 211	Drug Delivery Systems and Formulation Science – I	3	Major
2	PHARM 211 L	Drug Delivery Systems and Formulation Science – I (Lab)	1	Lab
3	PHARM 212	Pharmacology and Therapeutics-I	3	Major
4	PHARM 212 L	Pharmacology and Therapeutics-I (Lab)	1	Lab
5	PHARM 213	Pharmacognosy - (Basic I)	3	Major
6	PHARM 213 L	Pharmacognosy - (Basic I) (Lab)	1	Lab


7	PHARM 214	Basic Pharmaceutical Microbiology**	2	Major
8	PHARM 214 L	Basic Pharmaceutical Microbiology** (Lab)	1	Lab
9	QR 101	Quantitative Reasoning – I *	3	Gen Edu
10	CS 110	Application of ICT (Special focus on Pharmacy)	3	Gen Edu
TOTAL CREDITS (21)				

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SEMESTER IV

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 221	Drug Delivery Systems and Formulation Science – II	3	Major
2	PHARM 221 L	Drug Delivery Systems and Formulation Science – II (Lab)	1	Lab
3	PHARM 222	Artificial Intelligence in Pharmacology and Therapeutics (Pharmacology and Therapeutics-II)	3	Major
4	PHARM 222 L	Artificial Intelligence in Pharmacology and Therapeutics (Pharmacology and Therapeutics-II) (Lab)	1	Lab
5	PHARM 223	Pharmacognosy (Basic - II)	3	Major
6	PHARM 223 L	Pharmacognosy (Basic - II) (Lab)	1	Lab
7	PHARM 224	Applied Pharmaceutical Microbiology and Immunology	3	Major
8	PHARM 224 L	Applied Pharmaceutical Microbiology and Immunology (Lab)	1	Lab
9	PSC 116	Pakistan Studies *	2	Gen Ed
10	ISL 112	Islamic studies	2	Gen Ed
11	ISL 225	Fehm-e-Quran II	1	Gen Edu
TOTAL CREDITS (21)				

SEMESTER V

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 311	Pharmacognosy (Applied)	3	Major
2	PHARM 311 L	Pharmacognosy (Applied) (Lab)	1	Lab
3	PHARM 312	Pharmaceutical Analysis-I	3	Major
4	PHARM 312 L	Pharmaceutical Analysis-I(Lab)	1	Lab
5	PHARM 313	Pharmacology and Therapeutics-III	3	Major
6	PHARM 313 L	Pharmacology and Therapeutics-	1	Lab

		III (Lab)		
7	PHARM 314	Hospital and Community Pharmacy	2	Major
8	QR-102	Quantitative Reasoning – II *	3	Gen Ed
9	PSC 111	Ideology & Constitution of Pakistan *	2	Gen Ed
10	SOC 114	Civics & Community engagement* (Fulfills requirements of Pharmacy Practice III)	2	Gen Ed
TOTAL CREDITS (21)				

SEMESTER VI

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 321	Pharmacognosy (Advanced)	3	Major
2	PHARM 321 L	Pharmacognosy (Advanced) (Lab)	1	Lab
3	PHARM 322	Pharmaceutical Analysis-II	3	Major
4	PHARM 322 L	Pharmaceutical Analysis-II (Lab)	1	Lab
5	PHARM 323	Pharmacology and Therapeutics-IV	3	Major
6	PHARM 323 L	Pharmacology and Therapeutics-IV (Lab)	1	Lab
7	PHARM 324	Dispensing, Social & Administrative Pharmacy	2	Major
8	PHARM 325	Pathology	2	Major
9	PHARM 325 L	Pathology (Lab)	1	Lab
10	MGT 215	Entrepreneurship *	2	Gen Ed
TOTAL CREDITS (19)				

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SEMESTER VII

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 411	Industrial Pharmacy - I	3	Major
2	PHARM 411	Industrial Pharmacy – I (Lab)	1	Lab
3	PHARM 412	Biopharmaceutics and Pharmacokinetics - I	3	Major
4	PHARM 412	Biopharmaceutics and Pharmacokinetics – I (Lab)	1	Lab
5	PHARM 413	Clinical Pharmacy-I	3	Major
6	PHARM 413	Clinical Pharmacy-I (Lab)	1	Lab
7	PHARM 414	Pharmaceutical Quality Management System	3	Major
8	PHARM 425	Pharmaceutical Management and Marketing	2	Int.Disp
TOTAL CREDITS (17)				

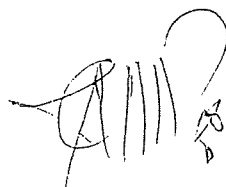
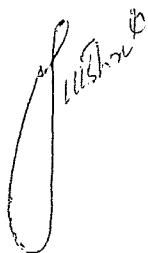
SEMESTER VIII

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 421	Industrial Pharmacy – II	3	Major
2	PHARM 421 L	Industrial Pharmacy – II (Lab)	1	Lab
3	PHARM 422	Biopharmaceutics and Pharmacokinetics – II	3	Major
4	PHARM 422 L	Biopharmaceutics and Pharmacokinetics – II (Lab)	1	Lab
5	PHARM 423	Clinical Pharmacy-II	3	Major
6	PHARM 423 L	Clinical Pharmacy-II (Lab)	1	Lab
7	PHARM 424	Pharmaceutical Quality Control	2	Major
8	PHARM 424 L	Pharmaceutical Quality Control (Lab)	1	Lab
9	PHARM 425	Clinical Pharmacology	2	Major
10	PHARM 425 L	Clinical Pharmacology (Lab)	1	Lab
TOTAL CREDITS (18)				

SEMESTER IX

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 511	Pharmaceutical Technology - I	3	Major
2	PHARM 511 L	Pharmaceutical Technology – I (Lab)	1	Lab
3	PHARM 512	Medicinal Chemistry-I	3	Major

4	PHARM 512 L	Medicinal Chemistry-I(Lab)	1	Lab
5	PHARM 513	Advanced Clinical Pharmacy-I	3	Major
6	PHARM 513 L	Advanced Clinical Pharmacy-I (Lab)	1	Lab
9	PHARM 515	Pharmaceutical Regulatory Science-I	3	Major
TOTAL CREDITS (18)				



SEMESTER X

S. NO	Course Code	COURSE	CREDIT HOURS	CATEGORY
1	PHARM 521	Pharmaceutical Technology – II	3	Major
2	PHARM 521 L	Pharmaceutical Technology – II (Lab)	1	Lab
3	PHARM 522	Medicinal Chemistry-II	3	Major
4	PHARM 522 L	Medicinal Chemistry-II (Lab)	1	Lab
5	PHARM 523	Advanced Clinical Pharmacy-II	3	Major
6	PHARM 523 L	Advanced Clinical Pharmacy-II (Lab)	1	Lab
7	PHARM 524	Pharmaceutical Regulatory Science-II	3	Major
8	PHARM 599	Capstone Project ***	3	Capstone Project
TOTAL CREDITS (18)				

