

AVICENNA MEDICAL & DENTAL COLLEGE



STUDY GUIDE 2026

Forensic Medicine & Toxicology I BLOCK 7 - MODULE 15



Program: MBBS
Year: 3rd Professional Year
Batch No: M-23
Session: 2025-2026

Table of Contents

About Avicenna Medical College	4
Message from the Principal	4
Message from the Chairman	5
Vision & Mission	6
List of Abbreviations	7
Curriculum Framework	13
Introduction to the Study Guide	14
Objectives of the Study Guide	14
7-Star Doctor Competencies (PMDC)	15
Introduction to Module	16
Module Committee	17
Curriculum Map	18
Academic Calender:	19
Timetable	20
Allocation of Hours	22
Modular Outcomes	23
Learning Objectives	24
Operational Definitions	38
Infrastructure Resources	39
Internal Assessment Policy	42
Assessment Criteria and Weighting	43
Assessment Procedures	43
Appeal Process	44
Attendance Requirement & Internal Assessment Criteria	44
Assessment Guidelines	44
Assessment Schedule	46
Table of Specification	48
Recommended Books & Reading Resources	49

About Avicenna Medical College

Avicenna Medical & Dental College is a purpose-built, fully equipped institution with experienced and excellence-driven faculty to train high-quality dental professionals in Pakistan.

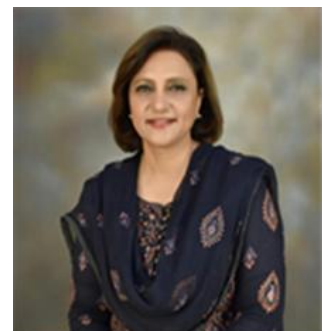
Avicenna Medical & Dental College runs under the umbrella of Abdul Waheed Trust. Abdul Wahid Trust is a non-profit social welfare organization and registered under the Societies Act with the Registrar of Societies. The Trust is legalized through a Trust Deed that bears necessary rectifications. The Trust Deed is further supported by its Memorandum and Article of Association that authorizes the establishment and operation of the Medical College, the Dental College, the Nursing College, the Allied Health Sciences College, and other activities in the healthcare sector.

In 2009, Avicenna Medical & Dental College was recognized by the Pakistan Medical & Dental Council. With the advent of advanced tools and technology in every field of health science, medicine today has shot up to the greater end of the gamut with superior choice and promises in medical therapy in the very vicinity of the common man. AVMDC promises to be one such neighborhood.

Message from the Principal

As a Co-Founder and Co-Chairperson, I have been involved in planning, construction and accreditation of Avicenna Medical College by the Pakistan Medical and Dental Council (PM&DC) and its affiliation with the esteemed University of Health Sciences (UHS). It is a pleasure to see Avicenna Medical College develop, progress and achieve maximum academic excellence in a short period since its inception in 2009. The institution has lived up to its mission of training and producing medical graduates of international standards. Three batches have passed out as Doctors, who currently are serving in the country and abroad while several have opted for post-graduation and are on road to progress. We have achieved several milestones since 2009 including the recognition of our College for FCPS training by College of Physicians and Surgeons of Pakistan (CPSP), establishment of College of Nursing and Avicenna Dental College.

Principal
Prof. Dr. Gulfreen Waheed
MBBS, FCPS, MHPE, PhD Scholar - HPE
Avicenna Medical & Dental College



Message from the Chairman

The Avicenna Medical & Dental College is a project of Abdul Waheed Trust which is a Non-profitable, Non-governmental, Non-political & Social organization, working for the welfare of Humanity and based on Community empowerment. Avicenna Medical College has its own 530 bedded Avicenna teaching Hospital (Not for Profit hospital) within the College Campus & 120 bedded Aadil Hospital, at 15 minutes' distance. Separate comfortable hostels for boys & girls are provided on the campus.

Our students benefit from the state of the art College Library with facilities of Internet & online Journals that remain open 15 hours a day, for our students & faculty members. I am particularly pleased with the hard work by the Faculty and Students in the achievement of historic 100% results for all the classes. It is a rare achievement and speaks of dedication of the Faculty and Staff. Our motto is Goodness prevails and we aim at producing Doctors' who are knowledgeable, competent in clinical skills and ethical values.

Avicenna Medical College & Hospital was founded to provide quality health care services to the deserving patients belonging to the rural areas near Avicenna Hospital as well as to provide quality medical education of international standard to our students. The Hospital provides all medical services and Lab diagnostics to the local population at minimal cost. So far by the grace of Allah Almighty the number of patients being treated and operated upon at our Hospital is increasing every day as there is no other public or charity hospital in the circumference of 20km. We have already established two Satellite Clinics in the periphery which are providing outdoor care while admission cases are brought to the Hospital in Hospital transport.

Following the success of our reputable Medical College and Hospital, we were able to successfully establish Avicenna Dental College which is recognized by the Pakistan medical & Dental Council & University of Health Sciences. To date, we have enrolled five batches in our dental college and we aim to achieve the same level of success for our dental students as our medical students.

Chairman
Abdul Waheed Sheikh
Avicenna Medical & Dental College





Avicenna Medical & Dental College



Vision

The vision of **Avicenna Medical & Dental College** is to become a college that thrives to achieve improvement in healthcare of masses through creative delivery of educational programs, innovative research, commitment to public service and community engagement in a environment that supports diversity, inclusion, creative thinking, social accountability, life-long learning and respect for all.

Mission

The mission of **Avicenna Medical and Dental College** is to educate and produce competent, research oriented healthcare professionals with professional commitment and passion for life-long learning from a group of motivated students through quality education, research and service delivery for the improvement of health status of the general population.

List of Abbreviations

Letter	Abbreviations	Subjects
A	A	Anatomy
	ABCDE	Airway, Breathing, Circulation, Disability, Exposure
	ABG	Arterial blood gas
	ACS	Acute Coronary Syndromes
	Ag	Aging
	AKI	Acute kidney injury
	ALT	Alanine transaminase
	AMI	Acute Myocardial Infarction
	AMP	Adenosine monophosphate
	ANA	Antinuclear Antibody
	ANCA	Anti-neutrophil Cytoplasmic Antibodies
	ANS	Autonomic Nervous System
	AO	Association of osteosynthesis
	APTT	Activated Partial Thromboplastin Clotting Time
	ARDS	Acute Respiratory Distress Syndrom
	ARVC	Arrhythmogenic Right ventricular Cardiomyopathy
	ASD	Atrial Septal Defect
	AST	Aspartate aminotransferase
	ATLS	Advanced Trauma Life Support
	Au	Autopsy
	AUC	Area under the curve
	AV	Atrioventricular
B	B	Biochemistry
	BhS	Behavioral Sciences
	BHU	Basic Health Unit
	BSL	Biological Safety Level
C	C	Civics
	C-FRC	Clinical-Foundation Rotation Clerkship
	C.burnetii	Clostridium burnetii
	C.neoformans	Clostridium neoformans
	C.pneumoniae	Clostridium pneumoniae
	C.psittaci	Clostridium psittaci
	C.trachomatis	Clostridium trachomatis
	CA	cancer
	CABG	coronary artery bypass grafting
	CAD	coronary artery disease
	CBC	Complete Blood Count
	CCR5	cysteine-cysteine chemokine receptor
	CD31	cluster of differentiation 31
	CD34	cluster of differentiation 34
	CD4	cluster of differentiation 4
	CF	cystic fibrosis
	CK	Creatine kinase

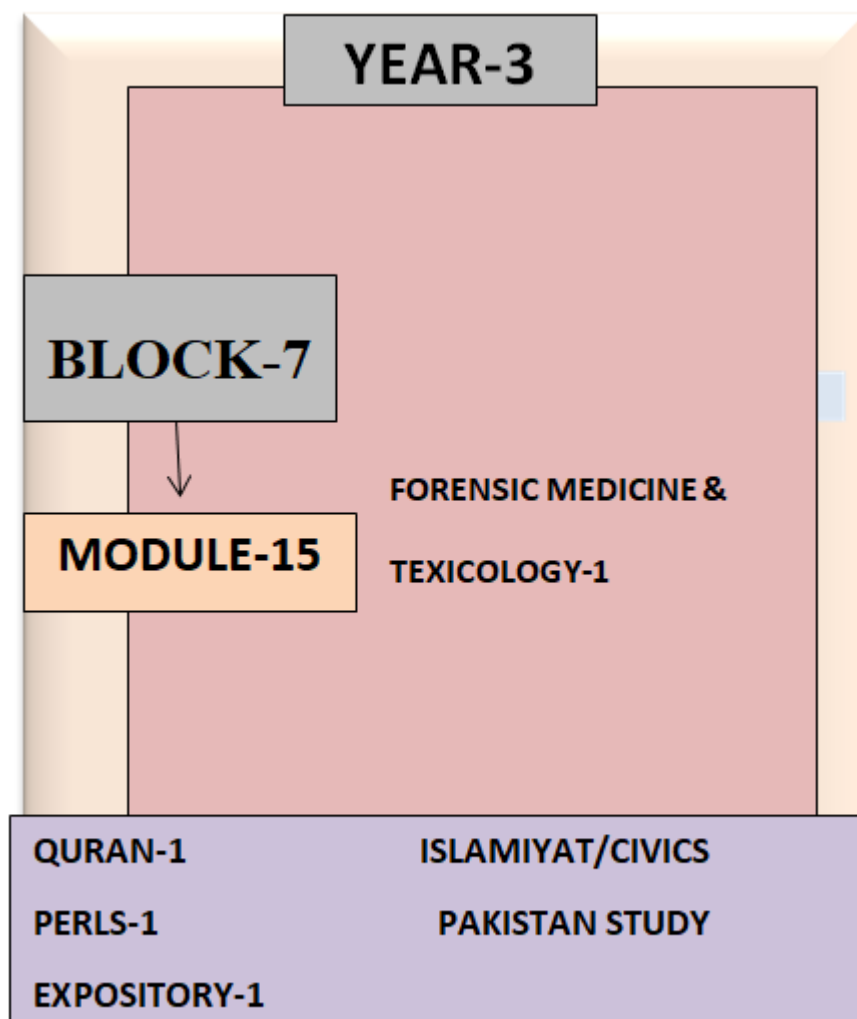
	CLED	cystine lactose electrolyte deficient
	CLL	chronic lymphocytic leukemia
	CM	Community Medicine
	CML	chronic myeloid leukemia
	CMV	cytomegalo virus
	CNS	Central Nervous System
	CO	Carbon monoxide
	CO2	Carbon dioxide
	CODIS	combined DNA index system
	COPD	Chronic obstructive pulmonary disease
	COVID-19	Corona Virus Disease 2019
	COX	Cyclooxygenase
	CPR	Cardiopulmonary Resuscitation
	CR	Clinical Rotation
	CRP	Clinical Rotation CSF C- Reactive Protein
	CSF	Cerebro Spinal Fluid
	CT	Computed tomography
	CV	Cardiovascular
	CVA	Cerebral vascular accident
	CVS	Cerebrovascular system
D	D.medinensis	Dracunculus Medinensis
	DALY	Disability-Adjusted Life Year
	DCIS	Ductal Carcinoma in situ
	DCM	Dilated Cardiomyopathy Dorsal Colu
	DCMLS	Dorsal column medial lemniscus system
	DLC	Differential Leukocyte Count
	DMARDs	Disease Modifying Anti Rheumatic Drugs
	DNA	DeoxyRibonucleic Acid
	DOTS	Directly Observed Treatment Short-course
	DTP	Diphtheria, Tetanus, Pertussis
	DVI	Disaster Victim Identification
	DVT	Deep Vein Thrombosis
E	E.coli	Escherichia coli
	ECF	Extracellular Fluid
	ECG	Electrocardiography
	ECP	Emergency contraceptive pills
	ED50	Median Effective Dose
	EEG	Electroencephalogram
	EIA	Enzyme Immunoassay
	ELISA	Enzyme Linked Immunosorbent Assay
	EnR	Endocrinology & Reproduction
	ENT	Ear Nose Throat
	EPI	Expanded Programme on Immunization
	ER	Emergency Room
F	F	Foundation
	FAST	Focused Assessment with Sonography
	FEV1	Forced Expiratory Volume 1

	FM	Family Medicine
	For	Forensic Medicine
	FPIA	Fluorescent Polarization Immunoassay
	FS	Forensic Serology
	FSc	Forensic Science
	FVC	Forced Vital Capacity
G	GCS	Glasgow Coma Scale
	GFR	Glomerular Filtration Rate
	GIT	Gastrointestinal tract
	GL-MS	Gas Liquid Mass Spectrometry
	GLC	Gas Liquid Chromatography
	GLP	Guanosine Monophosphate
	GMP	Guanosine monophosphate
	GO	Gynecology and Obstetrics
	GP	General Practitioner
	GPE	General Physical Examination
	GTO	Golgi Tendon Organ
	Gynae & Obs	Gynecology and Obstetrics
H	H & E	Hematoxylin and eosin
	H. influenzae	Haemophilus influenzae
	H.pylori	Helicobacter pylori
	HAI	Healthcare Associated Infections
	HbC	Hemoglobin C
	HbS	Sickle Hemoglobin
	HbSC	Hemoglobin Sickle C Disease
	HCL	Hydrochloric Acid
	HCM	Hypertrophic Cardiomyopathy
	HHV	Human Herpesvirus
	HIT	Hematopoietic, Immunity and Transplant
	HIV	Human Immunodeficiency Virus
	HL	Hematopoietic & Lymphatic
	HLA	Human Leukocyte Antigen
	HMP	Hexose Monophosphate
	HNSS	Head & Neck and Special Senses
	HPLC	High Pressure Liquid Chromatography
I	ICF	Intra Cellular Fluid
	ID	Infectious Diseases
	IE	Infective Endocarditis
	IL	Interleukin
	ILD	Interstitial Lung Disease
	IN	Inflammation
	INR	International Normalized Ratio
	INSTIs	Integrase Strand Transfer Inhibitors
	IPV	Intrauterine Device
	IUD	Intrauterine device
	IUGR	Intra-Uterine Growth Restriction
J	JVP	Jugular Venous Pulse
L	L	Law

	LD50	Median Lethal Dose
	LDH	Lactate Dehydrogenase
	LSD	Lysergic acid diethylamide
M	M	Medicine
	MALT	Mucosa Associated Lymphoid Tissue
	MBBS	Bachelor of Medicine, Bachelor of Surgery
	MCH	Mean corpuscular hemoglobin
	MCHC	Mean Corpuscular Hemoglobin Concentration
	MCV	Mean Corpuscular Volume
	MHO2001	Mental Health Ordinance 2001
	MoA	Mechanism of action
	MRI	Mechanism of action
	MS	Musculoskeletal
	MSD	Musculoskeletal disorders
	MSDS	Minimum Service Delivery Standards
	MSK	Musculoskeletal
N	N	Neoplasia
	NEAA	Non-Essential Amino Acids
	NK cells	Natural Killer Cells
	NNRTI	Non-nucleoside Reverse Transcriptase Inhibitors
	NRTIs	Nucleoside Reverse Transcriptase Inhibitors
	NS	Neurosciences
O	NSAIDs	Non-steroidal Anti-Inflammatory Drugs
	O	Ophthalmology
	OA	Osteoarthritis
	OPC	Organophosphate
	OPV	Oral poliovirus vaccine
	Or	Orientation
	Orth	Orthopaedic
P	P	Physiology
	P.jiroveci	Pneumocystis jiroveci
	Pa	Pathology
	PAD	Pathology
	PAF	Platelet activating factor
	PBL	Problem Based Learning
	PCH	Psychiatry
	PCR	Polymerase Chain Reaction
	PDA	Patent Ductus Arteriosus
	PDGF	Platelet derived growth factor
	Pe	Pediatrics
	PEM	Protein Energy Malnutrition
	PERLs	Professionalism, Ethics, Research, Leadership
	PET	Positron Emission Tomography
	Ph	Pharmacology
	Ph	Pharmacology
	PI	Personal Identity
	PID	Pelvic inflammatory disease

	PIs	Protease inhibitors
	PMC	Pakistan Medical Commission
	PMDC	Pakistan Medical and Dental Council
	PMI	Post-Mortem Interval
	PNS	Peripheral Nervous System
	PPD	Paraphenylenediamine
	PPE	Personal Protective Equipment
	Psy	Psychiatry
	PT	Prothrombin Time
	PVC	Premature Ventricular Contraction
	PVD	Peripheral Vascular Diseases
Q	QALY	Quality-Adjusted Life Year
	QI	Quran and Islamiyat
R	R	Renal
	Ra	Radiology
	RA	Radiology
	RBCs	Red Blood cells
	RCM	Restrictive Cardiomyopathy
	RDA	Recommended Dietary Allowance
	Re	Respiratory
	RF	Rheumatoid factor
	RFLP	Restriction Fragment Length Polymorphism
	Rh	Rheumatology
	RHC	Rural Health Center
	RIA	Radioimmunoassay
	RMP	Resting Membrane Potential
	RNA	Ribonucleic Acid
	RTA	Road Traffic Accident
S	S	Surgery
	S.pneumonia	Streptococcus pneumoniae
	SA	Sinoatrial
	SCC	Squamous-cell carcinoma
	Se	Sexology
	Sec	Section
	SIDS	Sudden Infant Death Syndrome
	SLE	Systemic Lupus Erythematosus
	SOP	Standard Operating Procedure
T	TB	Tuberculosis
	TBI	Traumatic Brain Injury
	TCA	Tricarboxylic acid cycle
	TCBS	Thiosulphate Citrate Bile salts Sucrose
	TD50	Median Toxic Dose
	TGA	Transposition of the Great Arteries
	Th	Thanatology
	TLC	Thin Layer Chromatography
	TNF	Tumor Necrotic Factor
	TNM	Tumor Necrotic Factor
	TOF	Tetralogy of Fallot

	Tox	Toxicology
	Tr	Traumatology
	TSI	Triple Sugar Iron
U	USG	Ultrasonography
	UTI	Urinary Tract Infections
	UV	Ultraviolet
V	VAP	Ventilator-Associated Pneumonia
	Vd	Volume of Distribution
	VEGF	Vascular Endothelial Growth Factor
	VSD	ventricular septal defect
W	W. bancroft	Wuchereria bancroft
	WBCs	White Blood Cells
	WHO	World Health Organization
Z	ZN Staining	Ziehl-Neelsen Staining



Introduction to the Study Guide

Welcome to the Avicenna Medical & Dental College Study Guide!

This guide serves as your essential resource for navigating the complexities of your medical education at Avicenna Medical & Dental College. It integrates comprehensive details on institutional framework, curriculum, assessment methods, policies, and resources, all meticulously aligned with UHS, PMDC and HEC guidelines.

Each subject-specific study guide is crafted through a collaborative effort between the Department of Medical Education and the respective subject departments, ensuring a harmonized and in-depth learning experience tailored to your academic and professional growth.

Objectives of the Study Guide

1. Institutional Understanding:

- Gain insight into the college's organizational structure, vision, mission, and graduation competencies as defined by PMDC, setting the foundation for your educational journey.

2. Effective Utilization:

- Master the use of this guide to enhance your learning, understanding the collaborative role of the Department of Medical Education and your subject departments, in line with PMDC standards.

3. Subject Insight:

- Obtain a comprehensive overview of your courses, including detailed subject outlines, objectives, and departmental structures, to streamline your academic planning.

4. Curriculum Framework:

- Explore the curriculum framework, academic calendar, and schedules for clinical and community rotations, adhering to the structured guidelines of UHS & PMDC.

5. Assessment Preparation:

- Familiarize yourself with the various assessment tools and methods, including internal exam and external exam criteria, and review sample papers to effectively prepare for professional exams.

6. Policies and Compliance:

- Understand the institutional code of conduct, attendance and assessment policies, and other regulations to ensure adherence to college standards and accrediting body requirements.

7. Learning Resources:

- Utilize the learning methodologies, infrastructure resources, and Learning Management System to maximize your educational experience and academic success.

This guide, meticulously developed in collaboration with your subject departments, is designed to support your academic journey and help you achieve excellence in accordance with the highest standards set by PMDC and HEC.

7-Star Doctor Competencies (PMDC)

According to national regulatory authority PMDC, a Pakistani medical/dental graduate who has attained the status of a 'seven-star doctor' is expected to demonstrate a variety of attributes within each competency. These qualities/ generic competencies are considered essential and must be exhibited by the individual professionally and personally.

- Skillful / Care Provider.
- Knowledgeable / Decision Maker.
- Community Health Promoter / Community Leader.
- Critical Thinker / Communicator
- Professional / Lifelong learner.
- Scholar / Researcher
- Leader/ Role Model / Manager

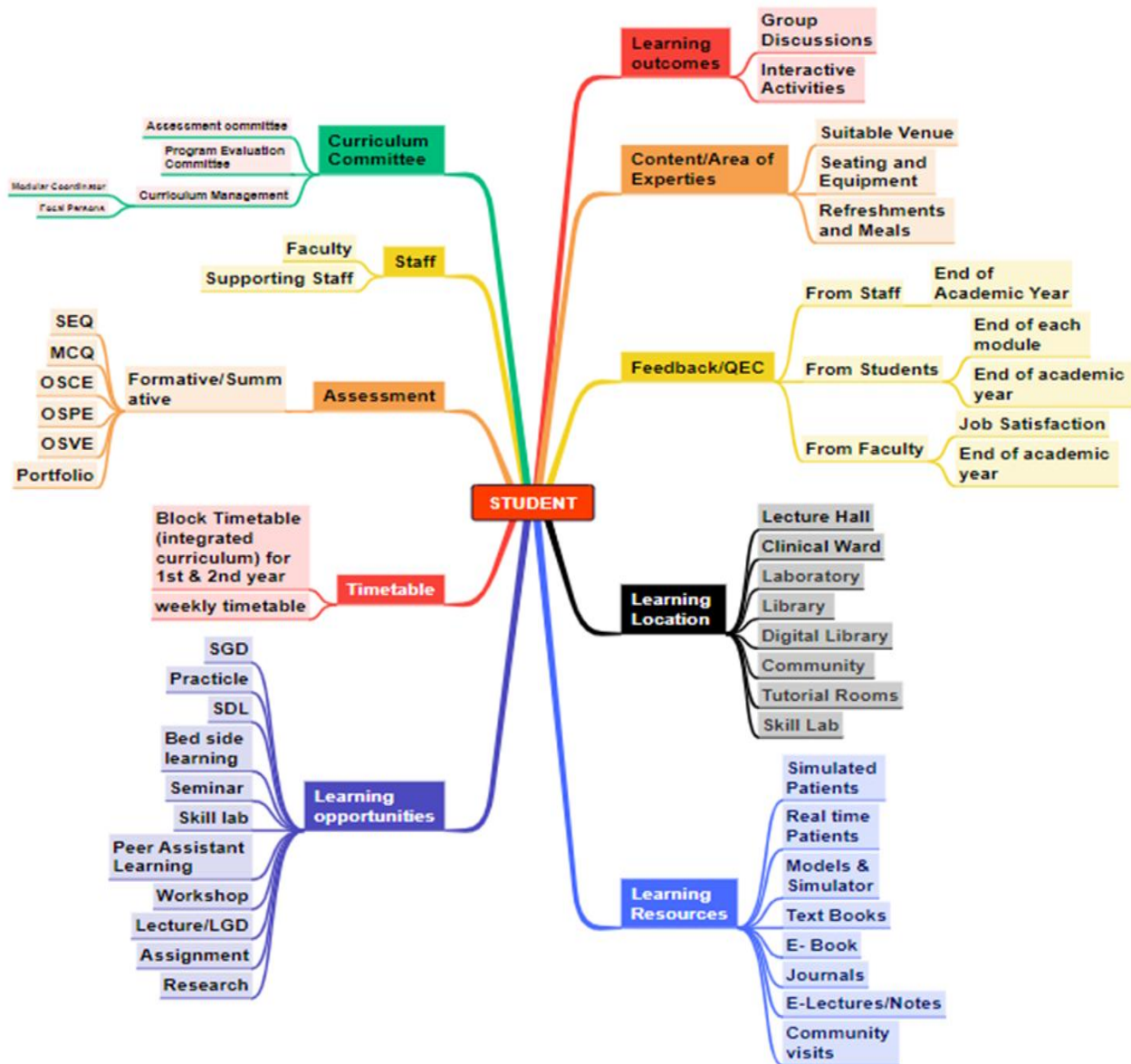
Introduction to Module

- The Forensic Medicine and Toxicology Module 1 prepares the medical graduate to handle the complexities of life and death and the medico-legal cases they encounter in their early career as doctors.
- The Autopsy training provides them with diagnostic skills for determining the cause of death, personal identity is essential for disaster victim identification, and medico-legal cases involving unidentified bodies.
- The death indicators and certification of death are important in their clinical practice. Introducing these topics in the 3rd year builds a strong foundation for handling medico-legal cases; ensuring students are ready to navigate the complexities of death-related issues in their future careers.

Name	Designation	Department
Prof. Dr. Gulfreen Waheed	Principal & Director	Medical Education
Dr. Saba Iqbal	Associate Director	Medical Education
Dr. Ijlal Zehra	Head	Assessment Cell
Dr. Javaid Shabkhez Rab	Coordinator	Medical Education
Dr. Salar Arsalan	Demonstrator	Medical Education
Dr. Huma Fatima	Demonstrator	Medical Education
Mr. Adeel	Head	Student Affairs
Prof. Dr. Saeed Afzal	Head	Pathology
Dr. Majid	Focal Person	Pathology
Prof. Dr. Asma Saeed	Head	Pharmacology
Dr. Azka Khan	Focal Person	Pharmacology
Prof. Dr. Rana Akhtar	Head	Community Medicine
Dr. Usman Sheikh	Focal Person	Community Medicine
Prof. Dr. Zainab	Head	Forensic Medicine
Dr. Anwar	Focal Person	Forensic Medicine
Prof. Dr. Muzammil	Head	Medicine Unit-1
Prof. Dr. Waheed Ahmed	Head	Medicine Unit-2
Dr. Usman	Focal Person	General Medicine
Dr. Usman	Focal Person	Psychiatry
Dr. Usman	Focal Person	Family Medicine
Dr. Farhat	Head	Behavioural Sciences

Curriculum Map

This pictorial, vertical and horizontal presentation of the course content and extent shows the sequence in which various systems are to be covered. Curricular map to cover all the subjects and modules and the time allocated to study of the systems for the undergraduate programs offered at four colleges at campus are as follows:



Academic Calender:

Avicenna Medical & Dental College Calendar 2025-2026 3rd Year MBBS																						
January 2026							February 2026							March 2026							SESSION START: 2nd March 2026	
Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Gazetted Holidays	
				1	2	3	1	2	3	4	5	6	7	Week-01	1	2	3	4	5	6	7	i- Kashmir Holiday - 5th Feb. 2026
4	5	6	7	8	9	10	8	9	10	11	12	13	14	Week-02	8	9	10	11	12	13	14	ii- Eid-ul-Fitr- 19th March - 21st March 2026
11	12	13	14	15	16	17	15	16	17	18	19	20	21	Spring vacations	15	16	17	18	19	20	21	iii- Pakistan Day - 23rd March 2026
18	19	20	21	22	23	24	22	23	24	25	26	27	28	Week-03	22	23	24	25	26	27	28	iv- Labor Holiday- 1st May 2026
25	26	27	28	29	30	31								Week-04	29	30	31 M-12					v- Eid- Ul- Adha- 27th Mar. 2026
April 2026							May 2026							June 2026							vi- Youm-e-Takbeer Holiday- 28th May 2026	
Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	vii- Ashura- 25th & 26th June 2026	
			1	2	3	4	Week-08					1	2	Week-12	1	2	3	4	5	6	viii- Independence Day- 14th Aug. 2026	
Week-04														Week-13	7	8	9 M-15	10	11	12	13	ix- Milad un Nabi- 25th Aug. 2026
Week-05	5	6	7	8	9	10	Week-09	3	4	5 ALLIED TEST M-14	6	7	8	Week-14	14	15	16	17	18	19	20	x- Quaid-e-Azam Day-Christmas- 25th Dec. 2026
Week-06	12	13	14	15	16	17	Week-10	10	11	12	13	14	15	Week-15	21	22	23	24	25 vi	26 vii	27	xi- Summer Vacations - 16th March - 23rd March 2026
Week-07	19	20	21 M-13	22	23	24	Week-11	17	18 B:7 Written	19 B:7 Ospe/Viva	20	21	22	Week-16	28	29	30					xii- Summer Vacations - 11th July - 9th Aug. 2026
Week-08	26	27	28	29	30		Eid week	24	25	26	27 i	28 ii	29 iii	Week-17	25	26	27	28	29	30		xiii- Winter Vacations - 19th Dec. 2026
							31															Event
July 2026							August 2026							September 2026							Happy Eid	
Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	World TB Day	
			1	2	3	4							1	Week-21		1	2	3	4	5	World Autism Awareness Day	
Week-16														Week-22	6	7	8	9	10	11	12	World Health Day
Week-17	5	6	7 M-17	8	9	10	Week-18	2	3	4	5	6	7	Week-23	13	14	15 M-18	16	17	18	19	White Coat Ceremony
Summer vacations	12	13	14	15	16	17	Week-19	9	10	11	12	13	14 vii	Week-24	20	21 B:8 Written	22 B:8 Ospe/Viva	23	24	25	26	Music Fest - 2026
Summer vacations	19	20	21	22	23	24	Week-20	16	17	18	19	20	21	Week-25	27	28	29	30			Spring Fest	
Summer vacations	26	27	28	29	30	31	Week-21	23	24	25 ix	26	27	28	Week-26	24	25	26	27	28	29	30	World Hand Hygiene Day
																					International Nursing Day	
October 2026							November 2026							December 2026							World Hypertension Day	
Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Debates & MUN	
				1	2	3										1	2	3	4	5	Class Trips	
Week-25							Week-30	1	2	3	4	5	6	Week-34							World Environment Day	
Week-26	4	5	6	7	8	9	Week-31	8	9	10 M-21	11	12	13	Week-35	6	7	8	9	10	11	12	Fun Fair
Week-27	11	12	13 M-20	14	15	16	Week-32	15	16	17	18	19	20	Week-36	13	14	15	16	17 M-22	18	19	International Self-Care Day
Week-28	18	19	20	21	22	23	Week-33	22	23	24	25	26	27	Week-37	20	21 B:9 Written	22 B:9 Ospe/Viva	23	24	25 x	26	Independence Day
Week-29	25	26	27	28	29	30	Week-34	29	30					Winter vacation	27	28	29	30	31			Qirai & Naat Competition
January 2027							February 2027							March 2027							Blood Cancer Awareness Day	
Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	World First Aid Day	
					1	2																World Patient Safety Day
Week-37																						Sports Fest - 26 Day
Week-38	3	4 LSE B:7 Written	5 LSE B:7 Ospe/Viva	6	7	8 LSE B:8 Written	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	World Mental Health Day
Week-39	10	11 B:8 Ospe/Viva	12	13	14 B:9 Ospe/Viva	15 B:9 Written	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	Breast Cancer Awareness
Week-40	17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	Talent Hunt & Drum
	24	25	26	27	28	29	30	28							28	29	30	31				Block Exam
	31																					a-Block: 7 Exams- 13th & 14th May 2026
																						b-Block: 8 Exam- 16th & 17th September 2026
																						c-Block: 9 Exams- 14th & 15th December 2026
																						Internal Assessment Exam
																						IAT:1 16th December 2026

Timetable

		AVICENNA MEDICAL & DENTAL COLLEGE						
		AVICENNA MEDICAL & DENTAL COLLEGE						
TIME TABLE Week 10		M-23 3rd Year MBBS	SESSION 2025-2026					BLOCK 7
DATE	DAY							MODULE -15
		8.00-9.00	9.00-10.00	10.00-11.00	11.00-11.30	11.30-12.30	12.30-1.30	1.30-3.30
11-May	MON	LECTURE MEDICINE	LECTURE PHARMACOLOGY	LECTURE PATHOLOGY	Break	TUTORIAL	PRACTICAL	Clinical Rotation-CFRC
		8.00-9.00	9.00-10.00	10.00-10.30	10.30-11.30	11.30-12.30	12.30-1.30	1.30-3.30
12-May	TUE	Module 14 Exam (Written)		Break	Module 14 Exam (OSPE/VIVA)			Clinical Rotation-CFRC
		8.00-9.00	9.00-10.00	10.00-11.00	11.00-11.30	11.30-12.30	12.30-1.30	1.30-3.30
13-May	WED	LECTURE FOR.MEDICINE	LECTURE PATHOLOGY	LECTURE PHARMACOLOGY	Break	TUTORIAL	PRACTICAL	Clinical Rotation-CFRC
		8.00-9.00	9.00-10.00	10.00-11.00		11.30-12.30	12.30-1.30	1.30-2.30 2.30-3.30
14-May	THU	LECTURE PHARMACOLOGY	LECTURE FOR.MEDICINE	LECTURE SURGERY	Break	LECTURE MEDICINE	LECTURE TUTORIAL	PRACTICAL E.W
		8.00-9.00	9.00-10.00	10.00-11.00		12.00-1.00	1.00-2.00	2.00-3.30
15-May	FRI	FORENSIC TEST		LECTURE PATHOLOGY	LECTURE PHARMACOLOGY	LECTURE BEH.SCIENCES	JUMMA BREAK	LECTURE PERLS

Allocation of Hours

AVICENNA MEDICAL COLLEGE, LAHORE																																						
3RD YEAR MBBS (2025-26)																																						
	PATHOLOGY			PHARMACOLOGY			F.M			COMMUNITY MEDICINE				Surgery		Medicine		Cardio		Pulmo		ORTHO		Radiology		Paeds		Gynae		FAMILY MED	ioche	Physio	B.S	PERL	sitory Writin	Asses ment	Total	
Wk #	Lec	Prac	Tut	Lec	Prac	Tut	Lec	Prac	Tut	Lec	Tut	Field	Prac	Lec	CR	Lec	CR	Lec	CR	Lec	CR	Lec	CR	Lec	CR	Lec	CR	Lec	CR									
BLOCK-7	1	4	1	1	7	1	2	2	1					1		2	2										1						1	2.5		34.5		
	2	4	1	1	7	1	2	2	1					1		2	2									1						1	3.5		34.5			
	3	5	1	1	6	1	2	2	1					1	2		2																2.5		27.5			
	4	4	1	1	6	1	2	2	1						2		3					1									1	1	1	1.5	1	5	34.5	
	5	6	1	1	10	1	2	2	1						3		3														1	1	1	1.5		34.5		
	6	5	1	1	11	1	2	2	1						3		3																2.5		2	34.5		
	7	4	1	1	6	1	2	2	1					1	2	1	3					1									1		1.5	1	5	34.5		
	8	3	1	1	6	1	2	2	1						1	3	1	3													1				2	28		
	9	6	1	1	8	1	2	2	1						1	2	1	2																2.5	1	2	34.5	
	10	3	1	1	4	1	2	2	1						1	3	2	3															1	1.5	1	7	34.5	
BLOCK-8	11	5	3.7		3			2	1.8				1				1							1							1		1				14	34.5
	12	6	1.8		6			2	3.7						1	2	3	2					1	4	1						1						34.5	
	13	5	1.2		4	1.1		2	1.2					2		1	2	2	2				1	1	1	1								1	1	5	34.5	
	14	8	1	2	5	1		2	1					2	1	2	1	2								1	1	1	1					1.5			34.5	
	15	3	2	2	1			1	1					1	2	1	2								1				1	1							21	
	16	8	1	2	6			2	2					2	1	2								1										3.5			34.5	
	17	3		2	2		1	2						2		3	2	3	2				3	2									2.5		5	34.5		
	18	4	1	2	1	1			1	1					3	2	1	2					4	2									1	1	1		28	
	19	6	1	2		1	1	2	1							2	5	2					7	2										1.5	1		34.5	
	20	4	1	2	1	1		2	1	1							3	2					4	2								1	2.5			27.5		
BLOCK-9	21	9	2	2	2			3	1	1					2	2	2					1	2											3.5	2		34.5	
	22	9	2	2				2	1	1					2		2						2										2.5	1	8	34.5		
	23	6	2	2	1			2	1	1					2		2					1	1		1								2.5		9	34.5		
	24	2	1.8		3	1.8		1	1.9					2			2	1	2	1																14	34.5	
	25	4	1	1	3	1	1	1	1	1	2				3	2	3	2	5	2														1.5		34.5		
	26	3	1	1	4	1	1	2	1	1	1				1	2	4	2	5	2														2.5			34.5	
	27	2	1		2	1		1	1					1		4	2	1	2	2	2												1		5	28		
	28	4	1		4	1	1	2	1	1	2	1			4	2		2			5	2												1.5			34.5	
	29	5	1	1	4	1	1	2	1		4	1			1	1		2			5	3											1.5			34.5		
	30	4	1	1	4		1	2	2			5	1				2					6	3										1.5			34.5		
	31	4						2				5		5			2		2			2	2								3			1.5	1	5	34.5	
	32	2	1.1				1	3	2.4	1	5	1	5			2		2		1		1											5		2		34.5	
	33		1					3	2		6		5	5		2		2		1		1											5		1.5		34.5	
	34	1		1		1.1		4	2.4	1	5	1	5			2		2		1		1														6	34.5	
	35	2	1.1		1			3	2.4		2		5			1	2	1	2		1	1	1										3			6	34.5	
	36	1	1			1		1	4	1	1	2	10			1		1	1					1									1	1.5	5	34.5		
	37																																				14	14
	154	41.7	35	128	24	28	71	48.8	11	55	10	35	5	35	65	44	74	14	11	19	15	20	18	6	5	2	4	2	4	18	7	2	8	55.5	15	119	1209	
	230.7			180			130.8			105				100		118		25		34		38		11		6		6		18	7	2	8	55.5	15	119		
	PATHOLOGY			PHARMACOLOGY			F.M			COMMUNITY MEDICINE				Surgery		Medicine		Cardio		Pulmo		ORTHO		Radiology		Paeds		Gynae		FAMILY MED	ioche	Physio	B.S	PERL	Expository Writin g	Asses ment		

Modular Outcomes

Module Name Forensic Medicine & Toxicology I

Block 7 Module 15

- Explain the concept of death and its medico-legal aspect
- Discuss the indicators of death
- Describe the inter-relationship of cause, mechanism, mode, and manner of death
- Determine the parameters of personal identification in living and dead
- Describe the types, objectives, rules, and techniques of autopsy
- Discuss the post-mortem artifacts and their medic-legal significance
- Discuss the methodologies and techniques employed for personal identification.
- Describe the methods of age certification

Learning Objectives

THEORY			
THANATOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 05	
		INTEGRATING DISCIPLINE	TOPIC
	Define life and death.		
	Describe views about death of different authorities.		
	Differentiate between somatic and molecular death.		
	Diagnose a case of death clinically.		
	Describe the legal procedure of disposal of a dead body-known /unclaimed.		
	Describe brain death.		
	Explain criteria of diagnosis of brain death.		

For1- Th- 001	Enlist guiding principles to diagnose a case of brain death	Forensic Medicine	Life & Death
	Describe the medico legal importance of brain stem death.		
	Summarize ethical, legal and moral considerations related with organ transplant and brain death.		
	Differentiate between death and apparent/suspended animation.		
	Describe different clinical conditions simulating with suspended animation.		
For- Th- 002	Classify post-mortem changes.	Forensic Medicine	Post-mortem changes - (Immediate early and late)
	Describe immediate signs of somatic death.		
	Explain early eye changes after death.		
	Explain post-mortem cooling of dead body (Algor Mortis) and its medicolegal implications.		

	Describe methods of recording the temperature of a dead body.		
	Explain cooling curve of a dead body.		
	State different formulas applied for calculating body temperature after death.		
	Summarize factors affecting Algor Mortis.		
	Explain postmortem lividity and its mechanism of development.		
	Explain its medicolegal implications.		
	Summarize factors affecting post-mortem lividity.		
	Differentiate postmortem lividity from congestion and bruise.		
	Explain Rigor Mortis and its mechanism of development.		
	Describe its medicolegal implications.		

	Summarize factors affecting Rigor Mortis.		
	Summarize conditions simulating Rigor Mortis.		
	Distinguish rigor mortis from cadaveric spasm and instantaneous rigor.		
	Enlist late changes after death.		
	Explain the process of putrefaction.		
	Describe different stages of putrefaction.		
	Summarize factors affecting putrefaction.		
	Describe forensic entomology and its role in the estimation of post mortem interval.		
	Summarize the procedure to collect specimens of forensic entomology.		
	Draw and label graphic representation of post-mortem changes.		
	Infer the importance of putrefaction in toxicological analysis.		
	Describe the process of mummification.		

	Describe the process of adipocere formation.		
For1-Th-003	Summarize the biochemical changes in blood,	Forensic Medicine	Bio chemical changes,

	vitreous humour and CSF after death.		after death.
For1-Th-004	List of different parameters to determine PMI. Describe rate method and concurrent methods to estimate PMI.	Forensic Medicine	Estimation of Post-mortem interval
For1-Th-005	Define sudden death. Summarize common causes of sudden death.	Forensic Medicine	Sudden death
For1-Th-006	Differentiate between modes, manner cause and mechanism of death.		Mechanism, manner, cause, modes of death,
For1-Th-007	Define and classify post mortem artefacts Explain medico legal significance of artefacts.	Forensic medicine	Post-mortem artefacts
For1-Th-008	Discuss the use of flow-cytometry in forensic medicine.		Flow-cytometry

For1- Th-009	Define sudden infant death syndrome. Describe the risk factors and clinical features associated with SIDS. Describe preventive strategies and parental counseling.	Forensic Medicine	Sudden infant death syndrome (SIDS)
AUTOPSY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 6	
		INTEGRATING DISCIPLINE	TOPIC
For1- Au-001	Define autopsy		Autopsy, Its types and objectives.
	Summarize types of autopsies		
	Differentiate between medical and medico legal autopsy.		
	Enlist objectives and essentials of autopsy		

For1- Au-002	Differentiate four death investigation systems i. Coroner s system, ii. Medical examiner system, iii. Continental system, iv. Procurator fiscal system in Scotland.	Forensic medicine	Global systems of death investigations
	Define autopsy protocol.		

For1- Au- 003	i. Preliminary documents required for autopsy ii. Bio data. iii. Identification iv. External examination v. Internal examination vi. Conclusion. vii. Documentation.		Autopsy Protocol
	Differentiate between narrative and numerical autopsy protocol.		
	Differentiate primary, secondary, and tertiary autopsy incisions.		

For1-Au-004	Explain autopsy incisions to dissect neck, heart, brain, spinal cord, limb and bone marrow.		Autopsy incisions
	Explain incisions to reveal pneumothorax, DVT, Fat embolism and pulmonary embolism.		
For1-Au-005	Differentiate Letulle, Ghon, Virchow, and Rokitansky autopsy techniques.		Autopsy techniques
For1-Au-006	List the viscera with quantity to be taken for toxicological and histopathological analysis.		Collection of viscera at autopsy
	List the preservatives used for autopsy samples.		
	Explain the process of preserving viscera for forensic analysis.		
	Explain the autopsy protocol for collection/recovery, preservation, labelling and dispatch of biological and non-biological material.		
For1-Au-007	Describe standard autopsy suite.		Essential of autopsy suite
	Summarize the requirements of autopsy room.		

For1- Au-008	Summarize the hazards of autopsy.		Hazards of autopsy
For1- Au- 009	Define Negative autopsy.		Negative autopsy
	Explain the causes of negative autopsy.		
For1- Au- 010	Define exhumation.		Exhumation
	Enlist the objectives of exhumation.		

	Explain the procedure and limitations of exhumation.		
	Enlist the specimens collected in exhumation.		
	Summarize the precautions during exhumation		
For1- Au-011	Summarize the objectives of autopsy on mutilated dead body/fragmentary remains.	Anatomy	Examination of fragmentary / Mutilated / Skeletal remains

PERSONAL IDENTITY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 05	
		INTEGRATING DISCIPLINE	TOPIC
For1-PI-001	Define Personal Identity.		Personal Identity
	Describe types of personal identity.		
	List the purpose of identification in living & dead.		
	Describe the parameters of personal Identity in living and dead.		
	Describe methods of determining personal identity.		
	Enlist the ages of medico-legal importance for civil & criminal responsibility.		
	Determine the age of a living person for medico-legal purpose.		Age determination
	Determine the age of a fetus regarding its length, weight, and morphological features.		

For1-PI-002	Determine the approximate age of an individual based on physical appearance and the union of ossification centers of different bones.	Forensic Medicine	
	Identify the sequence of appearance of ossification centers during intrauterine life.		
	Relate the medico-legal importance of bones in the identification.		
For1-PI-003	Differentiate male and female sex based on anatomical features and chromosome analysis.	Anatomy	Sex determination

	Identify the disorders of sexual development.		
	Describe the medico legal importance of sex determination.		
	Enlist limitations of sex determination in dead.		

For1-PI-004	Describe the process of estimation of age from primary, secondary & mixed dentition.	Forensic Medicine	Forensic Odontology
	Describe different methods for age estimation from odontology.		
	Enlist the information obtained from dental forensic examination. Relate medico legal importance of identification with odontology.		
For1-PI-005	Describe the parameters to determine race of a person.		Race determination
For1-PI-006	Explain methods to determine stature of a person.		Stature estimation
For1-PI-007	Describe anthropometry with reference to age Determination.		Anthropometry
	Classify fingerprint patterns according to Galton's classification.		
	Explain different methods of recording fingerprints.		

For1-PI-008	Describe the advantages & medico legal importance of Dactylography		Dactylography
	Define Poroscopy / Locards method		
For1-PI-009	Describe the role of DNA fingerprinting in identification.	Pathology	DNA Profiling
	Enlist the samples required for DNA profiling in medicolegal cases.		
	Describe the medicolegal importance of DNA Fingerprinting.		
For1-PI-010	Discuss different methods of identification in case of mutilated, burnt and decomposed dead bodies.	Forensic Medicine	Mass Disaster Identification
	Apply the international SOP of disaster Victim Identification (DVI) in mass disaster.		

PRACTICAL / LAB WORK

THANATOLOGY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 06+05+05	
		INTEGRATING DISCIPLINE	TOPIC
For1- Th-010	Identify the immediate, early, and late changes after death.	Forensic Medicine	Autopsy
	Calculate the estimated time since death on the basis of findings noted in the corpse.		
For1- Au-011	Prepare a death certificate of cause of death according to WHO guidelines.		WHO guidelines of death certificate
	Observe the procedure of autopsy examination and dissection.		
	Write a structured autopsy report using the standard format.		

For1-Au-012	Demonstrate the correct method of preservation and labeling of specimens. Dispatch specimens for histopathological and toxicological analysis following standard protocols.	Forensic medicine	Autopsy
For1-PI-011	Determine age and sex for identification in medico-legal cases.	Forensic medicine	Personal identification
	Take fingerprints by plain and rolling method and classify according to Galton's Classification.		
	Estimate the age of a person for medico-legal purposes.		
For1-PI-012	Identify and analyse the bite marks.		Bite marks analysis
For1-PI-013	Estimate the age of the person from the oral examination of the teeth.	Forensic medicine	Age & sex determination
	Interpret the findings from x-rays of bones for appearance and union of ossification centres for age determination.		

	Identify the sex and age from morphological features of different bones.		
--	--	--	--

Operational Definitions

Traditional & Innovative Teaching Methodologies

Sr.	Pedagogical Methodologies	Description
1.	Lectures	Traditional method where an instructor presents information to a large group of students (large group teaching). This approach focuses on delivering theoretical knowledge and foundational concepts. It is very effective for introducing new topics.
2.	Tutorial	Tutorials involve small group discussion (SGD) where students receive focused instruction and guidance on specific topics.
3	Demonstrations	Demonstrations are practical displays of techniques or procedures, often used to illustrate complex concepts or practices, particularly useful in dental education for showing clinical skills.
4	Practicals	Hands-on sessions where students apply theoretical knowledge to real-world tasks. This might include lab work, clinical procedures, or simulations. Practicals are crucial for developing technical skills and understanding the application of concepts in practice.
5.	Student Presentations	Students prepare and deliver presentations on assigned topics. This method enhances communication skills, encourages students to explore topic in-depth. It also provides opportunities for peer feedback and discussion.
6.	Assignment	Tasks given to students to complete outside of class. Assignments can include research papers, case studies, or practical reports. They are designed to reinforce learning, assess understanding, and develop critical thinking and problem-solving skills.
7.	Self-directed Learning	Students take initiative and responsibility for their own learning process. Students are encouraged to seek resources, set goals, and evaluate their progress. This is a learner-centered approach where students take the initiative to plan, execute, and assess their own learning activities. This method promotes independence, critical thinking, and lifelong learning skills.

8.	Flipped Classroom	In this model, students first engage with learning materials at home (e.g., through videos, readings) and then use class time for interactive activities, discussions, or problem-solving exercises. This approach aims to maximize in-class engagement and application of knowledge.
9.	Peer-Assisted Learning (PAL)	A collaborative learning approach where students help each other understand course material. PAL involves structured peer tutoring, study groups, or collaborative tasks. It enhances comprehension through teaching, reinforces learning, and builds teamwork skills.
10.	Team-based Learning (TBL)	A structured form of small group learning where students work in teams on application-based tasks and problems. Teams are responsible for achieving learning objectives through collaborative efforts, promoting accountability, and deeper understanding of the material.
11.	Problem-based Learning (PBL)	Students work on complex, real-world problems without predefined solutions. They research, discuss, and apply knowledge to develop solutions. PBL fosters critical thinking, problem-solving skills, and the ability to integrate knowledge from various disciplines.
12.	Academic Portfolios	A collection of student's work that showcases learning achievements, reflections, and progress over time. Portfolios include assignments, projects, and self-assessments. They provide a comprehensive view of student development, highlight strengths and areas for improvement, and support reflective learning (experiential learning)
13.	Seminar	A seminar is an academic or professional setting where individuals discuss, present, and explore specific topics, often with expert guidance

Infrastructure Resources

Sr.	Infrastructure Resources	Description
1.	Lecture Hall	Each year has a dedicated lecture hall, totaling five lecture halls for the five professional years. These halls are equipped with modern audiovisual aids to support effective teaching and learning.

2.	Tutorial Room	The college's tutorial rooms, each with a capacity of 30, are specifically designed to support small group discussions and interactive sessions. These rooms facilitate personalized instruction, enabling more engaged and effective learning through direct interaction between students and instructors.
3.	Lab	The college is equipped with state-of-the-art laboratories for practical and clinical work. Each lab is designed to support various disciplines, to facilitate hands-on learning.
4.	Library on campus	A huge library occupies a full floor and has 260 seats including study carrels and group-discussion tables. Latest reference books of Basic and Clinical Sciences along with national & international journals are available in the library.
5.	Digital Library	The digital library offers access to a vast collection of e-books, online journals, research databases, and other digital resources. It supports remote access and provides tools for academic research and learning.
6.	Learning Management System (LMS)	The LMS is a comprehensive online platform that supports course management, content delivery, student assessment, and communication. It provides tools for tracking progress, managing assignments, and facilitates ongoing academic activities.
6.	Phantom Labs	Specialized Phantom Labs are available for advanced simulation and practice in dental procedures. These labs provide high-fidelity models and simulators that help students refine their clinical skills in a controlled environment.
7.	Mess & Cafeteria	The College has its own on-campus Mess which caters to 600 students. All food items including dairy, meat, and vegetables are sourced organically and bought in at the time of cooking, in order to ensure that students get freshly cooked meals at all times Students form the Mess committee which decides the mess menu in consultation with other students. The Mess offers fresh food to all residents three times a day. However, day scholars are also welcome to use the Mess facility at a reasonable cost. Two 50- inch LCD screens provide students an opportunity to get entertained during their meal times.
8.	Gymnasium & Sports	We recognize sports as a pivotal key to shape and maintain students' personality and good health. The College has indoor and outdoor sports facilities to help enhance the cognition and capacity to learn. There is a proper sports section for various games like basketball, football, volleyball, and cricket.

		The gym itself is fully equipped with modern machinery both for students and faculty.
9.	IT Lab	The IT Lab is equipped with modern computers and software available for students who need access for academic purposes.
10 .	Auditorium	The college has a spacious auditorium equipped with advanced audio-visual facilities. It is used for large-scale lectures, guest presentations, and academic conferences, providing a venue for students to engage with experts and participate in important educational events.
11 .	Examination Halls	The college provides dedicated examination halls that are designed to accommodate a large number of students comfortably. These halls are equipped with necessary facilities to ensure a smooth and secure examination process, including proper seating arrangements, monitoring systems, and accessibility features.

AVICENNA MEDICAL & DENTAL COLLEGE
DEPARTMENT OF MEDICAL EDUCATION

Internal Assessment Policy

Introduction

This policy outlines the guidelines for internal assessment of students at Avicenna Medical and Dental College. Internal assessment plays a crucial role in evaluating a student's progress, understanding their strengths and weaknesses, and providing timely feedback. This policy aims to ensure fairness, consistency, and transparency in the internal assessment process.

Internal Assessment Components

The internal assessment for each course will be comprised of the following components:

1. Attendance

- Attendance will be recorded regularly and will contribute to the overall internal assessment score.
- Students are expected to maintain a minimum attendance of 75% to be eligible for internal assessment marks.

2. Continuous Assessment

- Continuous assessment will be based on regular assignments, quizzes, presentations, and other activities conducted throughout the semester.
- These assessments will evaluate students' understanding of the course material, their critical thinking skills, and their ability to apply knowledge to real-world scenarios.

3. Grand Test and Module Exams

- Grand tests and module exams will be conducted to assess students' comprehensive understanding of the course content.
- These exams will be designed to evaluate both theoretical knowledge and practical skills.

4. Attitude and Behavior

- Students' attitude towards learning, participation in class activities, and adherence to college rules and regulations will be assessed.
- This component will evaluate students' professionalism, teamwork skills, and ethical conduct.

5. Logbook and Portfolio

- Students will be required to maintain a logbook and portfolio to document their learning journey.
- The logbook will include reflections on lectures, tutorials, and practical sessions.

- The portfolio will showcase students' best work, including assignments, projects, and research papers.

Assessment Criteria and Weighting

The following table outlines the weighting of each component in the internal assessment:

Component	Marks	Percentage
Attendance	6	2%
Continuous Assessment	12	4%
Grand Test and Module Exams	30	10%
Attitude and Behavior	10	3%
Logbook and Portfolio	2	1%
Total	60	20%

Assessment Procedures

- **Faculty Responsibility:** Faculty members will be responsible for designing and administering the internal assessments in accordance with the course syllabus and this policy.
- **Marking and Grading:** Faculty members will mark and grade the assessments using a transparent and consistent marking scheme. Candidates shall be required to score at least 50% marks in the internal assessment in each subject to become eligible for admission to professional examinations.
- **Feedback:** Faculty members will provide timely and constructive feedback to students on their performance.
- **Record-Keeping:** Faculty members will maintain accurate records of all internal assessments, including marks and feedback.
- **Moderation:** Internal assessments will be moderated by the course coordinator or the head of the department to ensure fairness and consistency.

Appeal Process

Students who have concerns about their internal assessment marks may appeal to the concerned faculty member or the head of the department. The appeal process will be handled promptly and fairly.

The internal assessment policy is designed to promote student learning, assess their progress, and provide a fair and transparent evaluation system. Faculty members and students are expected to adhere to this policy to ensure the integrity of the internal assessment process.

Attendance Requirement & Internal Assessment Criteria

The institution follows the regulations for examinations of the UHS in letter and spirit. The students require **75% attendance** in all academic sessions and **50% passing marks** with internal assessments and send-up examinations to be eligible for the UHS Professional Examinations.

Assessment Guidelines

Assessment in medical & dental education is a critical component designed to ensure that medical & dental students acquire the necessary knowledge, skills, and competencies required for effective medical & dental practice.

Assessment drives learning! – George E. Millar

You will encounter a variety of assessment methods, each serving a specific purpose.

- Written examinations, including multiple-choice and essay questions, will test your grasp of theoretical concepts and subject matter.
- Practical assessments will require you to demonstrate your clinical skills and ability to apply knowledge in real-world scenarios.
- Clinical exams will evaluate your communication skills and reasoning abilities through case discussions and problem-solving exercises.
- Clinical skills and work-place based assessments will observe your hands-on proficiency and patient management capabilities.

At Avicenna Medical & Dental College, internal assessments are systematically conducted throughout each academic year of the MBBS program, as per the guidelines established by the University of Health Sciences (UHS). These assessments, overseen by the Assessment Cell, adhere to either the Annual Subject-Based System or the Integrated/Modular System, depending on the curriculum structure.

Notably, beginning with the 2024-25 academic year, the weightage of internal assessments will be increased from 10% to 20%. The UHS administers professional examinations independently, organizing them at designated neutral sites and appointing external examiners to ensure objectivity and fairness.

Internal Assessment Weightage	20%	100%
External Assessment Weightage	80%	

YEAR-3		
A.	Block 7 (Foundation-II + Hematopoietic, Immunity & Implant + General Pharmacology + Forensic Medicine & Toxicology-I)	Marks
		350
B.	Block 8 (Musculoskeletal & Locomotion-II + Infectious Diseases + Neoplasia + Forensic Medicine & Toxicology - II)	350
C.	Block 9 (Cardiovascular-II + Respiratory II + Community Medicine & Public Health + Family Medicine I + Forensic Medicine & Toxicology - III)	350
	Total	1050

**Avicenna Medical & Dental College
3rd Year MBBS (M-23)
Test Schedule Block-7**

Week	Date	Day	Subject	Test	Topic	Reference
1st	2-Mar-26	Mon	Session Commencement: 2nd March, 2026			
	3-Mar-26	Tue	All Subjects	Lecture	Lecture Time Divided	
2nd	10-Mar-26	Tue	All Subjects	Lecture	Lecture Time Divided	
Eid- Ul- Fitr + Spring Vacations Holidays: 14th March-23 March, 2026						
3rd	24-Mar-26	Tue	All Subjects	Lecture	Lecture Time Divided	
4th	31-Mar-26	Tue	Integrated	Module 12 Exam		
				OSPE+VIVA		
5th	Whole Week		Pharmacology (2 batches)	Tutorial Test		

			s) / Pathology			
6th	14-Apr-26	Tues	Pharmacology	Grand Test		
7th	21-Apr-26	Tue	Integrated	Module 13 Exam		
				OSPE+VIVA		
8th	28-Apr-26	Tues	Pathology	Grand Test		
9th	5-May-26	Tues	Allied Subjects	Grand Test		
10th	12-May-26	Tue	Integrated	Module 14 Exam		
				OSPE+VIVA		
10th	14-May-26	Thurs	Forensic Medicine	Grand Test		
11th	18-May-26	Mon	Integrated	Block-7 Exam Written	Whole Syllabus of Module 12,13,14,15	
	19-May-26	Tue		OSPE+VIVA		
End Of Block-7						

Table of Specification

MBBS 3 rd Professional						
Block-7						
Subject	Written Exam		Oral/Practical/Clinical Exam			
	MCQ (1 mark)	Marks	OSPE /OSCE (8 marks each observed)	OSCE (10 marks each observed)	OSVE (14 marks each observed)	Marks
Pharmacology	55	55	03	-	01	38
Pathology	50	50	03	-	01	38
Community Medicine	02	02	01		-	08
Surgery	05	05	01	-	-	08
Medicine	05	05	01	-	-	08
Forensic	18	18	01	-	01	22
Behavioral	02	02	-	-	-	-
Patient Safety	03	03	-	-	-	-
CFRC	-	-	01	-	-	08
PERLs + <u>Exposi</u> Tory	-	-	-	01	-	10
Total	140	140	11 stations x 08 = 88	01 stations x 10 = 10	03 stations x 14=42	140

Recommended Books & Reading Resources

Anatomy

Snell's Clinical Anatomy 10th ed.

Langman's Medical Embryology 12th ed

Medical Histology by Laiq Hussain Siddiqui 8th edition.

General Anatomy by Laiq Hussain Siddiqui 6th edition.

Biochemistry

Harpers illustrated Biochemistry (latest edition). Rodwell.V.W MCGrawHill publishers.

Lippincott illustrated Review (latest edition). Kluwer.W.

Essentials of Medical Biochemistry vol 1&2 by Mushtaq Ahmed.

Pathology

Vinay Kumar, Abul K. Abbas and Nelson Fausto Robbins and Cotran, Pathologic basis of disease. WB Saunders.

Robbins and Cotran Pathological Basis of Disease. Kumar, V., Abbas, A. and Aster, J. Latest Edition

Richard Mitchell, Vinay Kumar, Abul K. Abbas and Nelson Fausto Robbins and Cotran, Pocket Companion to Pathologic basis of diseases, Saunders Harcourt.

Walter and Israel. General Pathology. Churchill Livingstone.

Robbins & Kumar, Medical Microbiology and Immunology Levinson.

General Medicine

Principles and Practice of Medicine by Davidson (latest edition)

Clinical Medicine by Parveen J Kumar & Michael Clark

Oxford Handbook of Medicine

Macleod's Clinical Examination book

Medicine and Toxicology by C.K. Parikh

Hutchison's Clinical Methods by Michael Swash. 21st edition

Pharmacology And Therapeutics

Katzung and Trevor's Pharmacology: Examination and Board Review- 15th Edition

Basic and Clinical Pharmacology by Bertram G Katzung (case scenarios only) - 16th Edition-

Current Medical Diagnosis and Treatment- reference book –Edition-2024

Basic and Clinical Pharmacology by Bertram G Katzung (case scenarios only) - 15th Edition

Basic and Clinical Pharmacology by Katzung, McGraw-Hill. 16th Edition.

Pharmacology by Champe and Harvey, Lippincott Williams & Wilkins 8th Edition.

Katzung Basic and Clinical pharmacology, Lippincott Illustrated reviews.

Clinical Pathology Interpretations by A. H. Nagi

Behavioural Sciences

Handbook of Behavioural Sciences by Prof. Mowdat H.Rana, 3rd Edition

Medical and Psychosocial aspects of chronic illness and disability 6th edition by Donna R.Falvo and Beverly E.Holland,

Integrating behavioral sciences in healthcare, Asma Humayun, 2003, 1st edition

Community medicine

Parks Textbook of Preventive and Social Medicine. K. Park

Public Health and Community Medicine by Ilyas Ansari

MSDS manual of Government of Punjab

Text book of Community Medicine by Park J E. Latest Edition

Surgery

Bailey & Love's Short Practice of Surgery (latest edition)

Browse's Introduction to the Symptoms & Signs of Surgical Disease 4th Edition

Bailey & Love Short Practice of Surgery, Clinical Surgery pearls by Dayananda Babu RACS for Surgical Audits.

Patient Safety

Patient Safety Curriculum Guide: Multi Professional Guide

Microbiology

Levinson's review of Microbiology

Medical Microbiology and Immunology by Levinson and Jawetz,

Pediatrics Medicine

Nelson Textbook of Pediatrics

Basis of Pediatrics by Pervez Akbar Khan

Gynecology

Gynecology by Ten Teachers

Infection Control

National Guidelines Infection Prevention and control, National Institute of Health Pakistan

Biosafety

Biosafety in Microbiological and Biomedical Laboratories, 6th Edition (CDC, USA)

WHO Laboratory Biosafety Manual, Fourth Edition, And Associated Monographs

WHO safe management of wastes from healthcare facilities chapter 7 -8 page 77-99, 105-125)

Family medicine

Oxford Handbook of General Practice, 5th Edition

Orthopedics

Apley and Solomon's System of Orthopaedics and Trauma by Ashley Blom (Editor)

Rheumatology

Davidson's Principles and Practice of Medicine

Clinical Medicine by Parveen J Kumar & Michael Clark

Hutchison's Clinical Methods by Michael Swash

Radiology

Aids to Radiological Differential Diagnosis by Chapman S. and Nakielny R. 4th edition.

Elsevier Science Limited; 2003.

Forensic Medicine

Knight's Forensic Pathology by Barnard Knight 3rd edition

G. Principles and Practice of Forensic Medicine by Prof. NasibR. Awan, 2nd edition

Forensic DNA Typing – 2nd Edition, Author: John M. Butler

Parikh's Textbook of Medical Jurisprudence, Forensic Medicine and Toxicology by C.K. Parikh 6th Ed., CBS Publisher.

Gun Shot Wounds 2nd edition by V.J. DeMaio

Knight B. Simpson's Forensic Medicine.

Knight and Pekka. Principles of Forensic Medicine

Forensic Pathology

Forensic pathology 2nd edition by V.J. DeMaio CRC press Boca Raton London New York

Washington DC

Toxicology

Principles of clinical toxicology 3rd edition Thomas. Gossel CRC press Taylor and Francis group

Forensic Sciences

Fundamentals of Forensic Science- 3rd Edition: Author: Max M Houck, Jay A. Siegel

TextBook of forensic medicine and toxicology Principles and Practice 5th edition by Krishan Vig

Biomedical ethics

Principles of Biomedical ethics, 8th edition by Tom. L. Beauchamp, James F. Childress.

Evidence Based Medicine

Databases for the latest articles/manuscripts

Clinical Practice Guidelines- local and international - (within last 3 years)

Books (Latest edition-within last 5 years)

Pediatrics

Nelson's Book of Pediatric 22 edition Illustrated book of Pediatrics, Pervaiz Akbar textbook pediatrics medicine

Islamiyat

Standard Islamiyat (compulsory) for B.A, BSc, MA, MSc, MBBS by Prof M Sharif Islahi.

Ilmi Islamiyat(compulsory) for BA, BSc & equivalent.

