

AVICENNA MEDICAL & DENTAL COLLEGE



STUDY GUIDE

2026

HEAD & NECK SPECIAL SENSES

BLOCK- 5 MODULE-9



Program: MBBS Integrated Curriculum
Year: 2nd Professional Year
Batch No: M-24
Session: 2025-2026

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About Avicenna Medical College

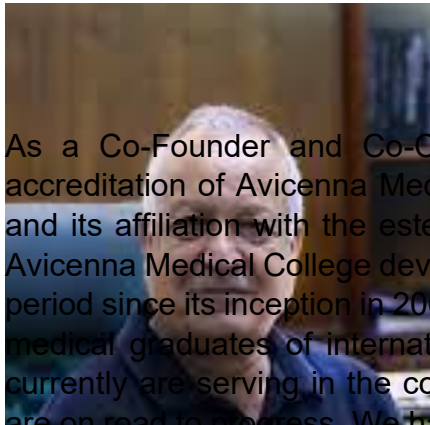
Avicenna Medical & Dental College is a purpose-built, fully equipped institution with experienced and excellence-driven faculty to train high-quality dental professionals in Pakistan.

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

Vision & Mission



Avicenna Medical & Dental College



Vision

The vision of **Avicenna Medical & Dental College** is to become a college that thrives to achieve improvement in

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

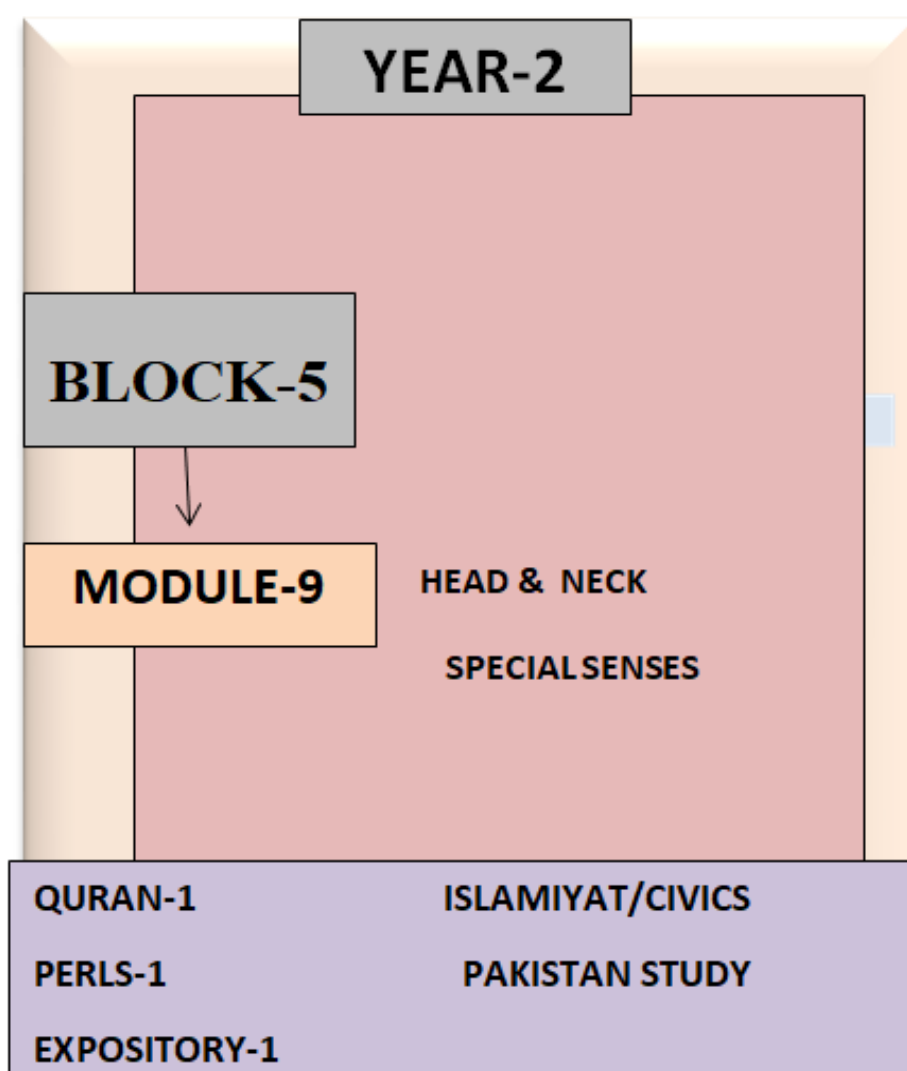
B	B	Biochemistry
	BhS	Behavioral Sciences
	BHU	Basic Health Unit
	BSL	Biological Safety Level
C	C	Civics
	C-FRC	Clinical-Foundation Rotation Clerkship
	C.burnetii	Clostridium burnetii
	C.neoformans	Clostridium neoformans
	C.pneumoniae	Clostridium pneumoniae
	C.psittaci	Clostridium psittaci
	C.trachomatis	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
J	IUGR	Intra-Uterine Growth Restriction
	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
P	Orth	Orthopaedic
	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-2

- The module 2 is designed to build upon and consolidate the foundational knowledge acquired in the earlier years of medical education, particularly from the Foundation-I module.
- As students transition into their clinical years, it is crucial to reinforce and deepen their understanding of basic medical sciences to support the integration of new, clinically relevant concepts.
- This module serves as a bridge, revisiting core topics in general Pharmacology, Pathology, and Forensic medicine with an emphasis on their clinical applications.
- By doing so, it ensures that students develop a more comprehensive understanding, which is vital for the advanced study of organ systems in subsequent modules (e.g., CVS 2, Respiratory-2, GIT-2, Neurosciences-2, and Reproduction 2).
- Mastery of these topics is essential before students can effectively approach the complexities of clinical scenarios.
- The revisiting of these concepts throughout the curriculum ensures a robust and integrated understanding, laying a solid foundation for clinical competence.

Module Committee

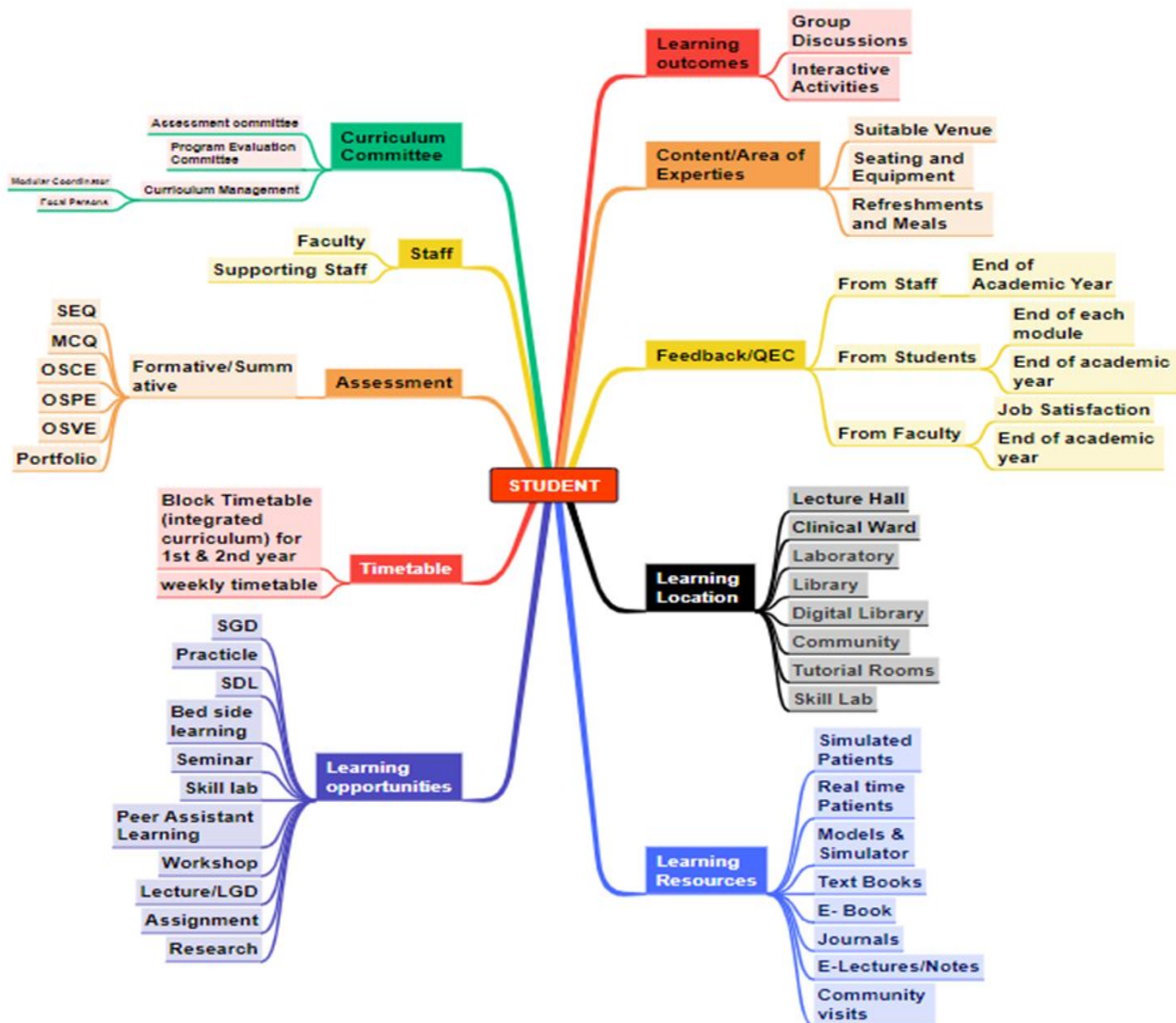
Name	Designation	Department
Prof. Dr. Gulfreen Waheed	Principal & Director DME	Medical Education
Dr. Saba Iqbal	Associate Professor	Medical Education
Dr. Syed Hussain Raza Zaidi	Assistant Professor	Medical Education
Dr. Ijlal Zehra	HOD	Assessment Cell
Dr. Javaid Shabkhez Rab	Coordinator	Medical Education
Dr. Huma Fatima	Demonstrator	Medical Education
Mr. Adeel	Incharge	Student Affairs
Prof. Dr Razia	HOD	Anatomy
Dr. Kalsoom	Focal Person	Anatomy
Prof. Dr. Sadia Zafer	HOD	Physiology
Dr. Shaheena	Focal Person	Physiology
Prof. Sadia Amir	HOD	Biochemistry

Dr. Yusra	Focal Person	Biochemistry
Prof. Dr. Saeed Afzal	HOD	Pathology
Dr. Nadia Salam	Focal Person	Pathology
Prof. Dr. Asma Saeed	HOD	Pharmacology
Dr. Azka	Focal Person	Pharmacology
Prof. Dr. Rana Akhtar	HOD	Community Medicine
Dr. Sana	Focal Person	Community Medicine
Dr. Uzma	Focal Person	General Surgery
Prof. Dr. Muzammil	HOD	Medicine Unit-1
Dr. Asim	Focal Person	General Medicine
Dr. Farhat Mihas	HOD	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 2nd year MBBS																											
April 2026								May 2026								June 2026								SESSION START: 6th April 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	4	Week-04						w-1	2	Week-5		1	2	3	4	5	6	i- Kashmir Holiday - 5th Feb, 2026			
Week-01	5	6	7	8	9	10	11	Week-5	3	4 TUT	5 TUT	6 TUT	7 TUT	8 TUT	9	Week-9	7	8 TUT	9 TUT	10 TUT	11 TUT	12 TUT	13	ii- Eid- ul- Fitr- 18th March - 20th March, 2026			
Week-02	12	13	14	15	16	17	18	Week-6	10	11 TUT	12 TUT	13 TUT	14 TUT	15 TUT	16	Week-10	14	15	16	17 IFA-2	18	19	20	iii- Pakistan Day -23rd March, 2026			
Week-03	19	20 TUT	21 TUT	22 TUT	23 TUT	24 TUT	25	Week-7	17	18	19	20	21 M:5	22	23	Week-11	21	22	23	24 Allied Test-1	w-25	w-26	27	iv- Labor Holiday- 1st May, 2026			
Week-04	26	27	28	29 IFA-1	30			Eid week	24	25	26	v-27	w-28	29	30	Week-12	28	w-29	30					v- Eid- Ul- Adha- 27th May - 29th May, 2026			
								31																vi- Youm-e-Takbeer Holiday - 28th May, 2026			
July 2026								August 2026								September 2026								vii- Ashura- 25th & 26th June, 2026			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	viii- Independence Day- 14th Aug, 2026			
Week-12				1	2 M:7	3	4								1	Week-17			1 TUT	2 TUT	3 TUT	4 TUT	5	ix- Milad un Nabi- 25th Aug, 2026			
Week-13	5	6 B:4	7 B:4	8	9	10	11	Summer vacations	2	3	4	5	6	7	8	Week-18	6	7	8	9 IFA-3	10	11	12	x- Qaid-e-Azam Day/Christmas- 25th Dec, 2026			
Summer vacations	12	13	14	15	16	17	18	Week-14	9	10	11	12	13	wii-14	15	Week-19	13	14	15	16	17	18	19	xi- Kashmir Holiday - 5th Feb, 2027			
Summer vacations	19	20	21	22	23	24	25	Week-15	16	17 TUT	18 TUT	19 TUT	20 TUT	21 TUT	22	Week-20	20	21	22	23 IFA-4	24	25	26	Vacations			
Summer vacations	26	27	28	29	30	31		Week-16	23	24 TUT	w-25	26 TUT	27 TUT	28 TUT	29	Week-21	27	28	29	30 M:8				Spring Vacation - 16th March - 23rd March, 2026			
								Week-17	30	31 TUT														Summer Vacations - 15th July -16th			
October 2026								November 2026								December 2026								Events			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	World Oral Health Day			
Week-21					1	2	3	Week-26	1	2 TUT	3 TUT	4 TUT	5 TUT	6 TUT	7	Week-30			1 TUT	2 TUT	3 TUT	4 TUT	5	International Day of Happiness			
Week-22	4	5	6	7	8	9	10	Week-27	8	9	10	11 M:9	12	13	14	Week-31	6	7 TUT	8 TUT	9 TUT	10 TUT	11 TUT	12	World TB Day			
Week-23	11	12 TUT	13 TUT	14 TUT	15 TUT	16 TUT	17	Week-28	15	16 B:5	17 B:5	18	19	20	21	Week-32	13	14	15	16 IFA-6	17	18	19	World Autism Awareness Day			
Week-24	18	19	20	21 IFA-5	22	23	24	Week-29	22	23	24	25	26	27	28	Winter vacations	20	21	22	23	24	w-25	26	White Coat Ceremony			
Week-25	25	26	27	28 Allied Test-2	29	30	31	Week-30	29	30 TUT						Week-33	27	28 TUT	29 TUT	30 TUT	31 TUT			Music Fest - 2026			
January 2027								February 2027								March 2027								Spring Fest			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	World Hand Hygiene Day			
Week-33						1 TUT	2			1	2	3	4	w-6	6			1	2	3	4	5	6	International Nursing Day			
Week-34	3	4	5	6 IFA-7	7	8	9	Send Up	7	8	9	10	11	12 B:6 Send Up	13		7	8	9	10	11	12	13	World Hypertension Day			
Week-35	10	11	12	13 M:10	14	15	16		14	15 B:4 Send Up	16	17	18	19 B:5 Send Up	20		14	15	16	17	18	19	20	Debates & MUN			
Week-36	17	18 Allied Test-3	19	20	21 M:11	22	23		21	22 B:6 Ospe/Viva	23 B:4 Ospe/Viva	24 B:8 Ospe/Viva	25	26	27		21	22	23	24	25	26	27	Class Trips			
Week-37	24	25	26 B:6	27 B:8	28	29	30		28								28	29	30	31				World Environment Day			
																								Fun Fair			
																								International Self-Care Day			
																								Independence Day			
																								Oral & Nsut Competition			
																								Blood Cancer Awareness Day			
																								World First Aid Day			
																								World Patient Safety Day			
																								World Heart Day			
																								Sports Fest - 26			
																								World Mental Health Day			
																								Breast Cancer Awareness			
																								Talent Hunt & Drum Circle			
																								Art & Craft			
																								Yoga & Aerobics			
																								Character Day & Bake Sale			
																								Golden Week			
																								Block Exam			
																								a. Block-4 Exam : 9th July, 2026			
																								b. Block-5 Exam : 11th November, 2026			
																								c. Block-6 Exam : 9th February, 2027			
																								LSZ/ Send-Up			
																								Send Up = 12th Feb 2027 to 24th feb 2027			
																								Prof Exam			

Time Table:

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-21		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # V		MODULE - 09	
28-Sep-26	Mon	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3.30	3:30 - 5.00	5:00 - 6.00
		Lecture Gross Anatomy	Lecture Physiology	Lecture Embryology	BREAK	SGD Anatomy		Lecture Pathology	Lecture PERL Leadership	BREAK	CFRC
29-Sep-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3.30		5:00 - 6.00
		Lecture Physiology	Lecture Gross Anatomy	Lecture Community Medicine		SGD Anatomy		Practical Histology Biochemistry Physiology			CFRC
30-Sep-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3.30		5:00 - 6.00
		Lecture Biochemistry	Lecture Embryology	Lecture Physiology		SGD Anatomy		Practical Histology Biochemistry Physiology			CFRC
1-Oct-26	Thur	08:00 - 11:00		11:00-12:30		12:30 - 2:00		2:00-3:30		5:00 - 6.00	
		MODULE - 08 THEORY		MODULE - 08 OSPE / OSVE BATCH - A		MODULE - 08 OSPE / OSVE BATCH - B		MODULE - 08 OSPE / OSVE BATCH - c		CFRC	
2-Oct-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:30	5:00 - 6.00		
		Lecture Histology	Lecture Physiology	Lecture Gross Anatomy	Practical Histology Biochemistry Physiology		JUMMA BREAK	Club Activity	CFRC		

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-22		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # V		MODULE - 09	
5-Oct-26	Mon	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3.30	3:30 - 5.00	5:00 - 6.00
		SGD Anatomy		Lecture Physiology	BREAK	Practical Histology Biochemistry Physiology		Tutorial Anatomy Embryology Biochemistry Physiology	Club Activity	BREAK	CFRC
6-Oct-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3.30		5:00 - 6.00
		Lecture Biochemistry	Lecture Gross Anatomy	Lecture Embryology		Practical Histology Biochemistry Physiology		Tutorial Anatomy Embryology Biochemistry Physiology	Club Activity		CFRC
7-Oct-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3.30		5:00 - 6.00
		SGD Anatomy		Lecture Physiology		Practical Histology Biochemistry Physiology		Tutorial Anatomy Embryology Biochemistry Physiology	Club Activity		CFRC
8-Oct-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3.30	5:00 - 6.00		
		Lecture Physiology	Lecture Histology	Lecture Embryology	Lecture Pathology	Lecture Community Medicine	Tutorial Anatomy Embryology Biochemistry Physiology	Club Activity	CFRC		
9-Oct-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30	2:30 - 3:30	5:00 - 6.00		
		SGD Anatomy		Lecture EYE Integration	Lecture Embryology	Lecture PERL Research	JUMMA BREAK	Club Activity	CFRC		

AVICENNA MEDICAL & DENTAL COLLEGE												
TIME TABLE WEEK-23		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:				
DATE	DAY							BLOCK # V		MODULE - 09		
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00	
12-Oct-26	Mon	SGD Anatomy		Lecture Physiology	BREAK	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology	Club Activity		BREAK	CFRC	
13-Oct-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30		5:00 - 6:00	
		Lecture Physiology	Lecture Gross Anatomy	Lecture Embryology		Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology	Club Activity			CFRC	
14-Oct-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00	
		Lecture Gross Anatomy	Lecture EYE Integration	Lecture Embryology		Practical Histology Biochemistry Physiology		Tutorial Anatomy Embryology Biochemistry Physiology	Club Activity		CFRC	
15-Oct-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00	
		SGD Anatomy		Lecture Community Medicine		Lecture Histology	Tutorial Anatomy Embryology Biochemistry Physiology	Lecture PERL Leadership	Club Activity		CFRC	
16-Oct-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00		
SPORTS DAY												

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-24		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # V		MODULE - 09	
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00
19-Oct-26	Mon	Lecture Physiology	SGD Anatomy		BREAK	Lecture Embryology	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology		BREAK	CFRC
20-Oct-26	Tues	SGD Anatomy		Lecture Embryology		11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30		5:00 - 6:00
						Lecture EYE Integration	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology			CFRC
21-Oct-26	Wed	Integrated Formative Assessment OS	Lecture Physiology	Lecture Gross Anatomy		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
						Practical Histology Biochemistry Physiology		Clinical Skill	Tutorial Anatomy Embryology Biochemistry Physiology		CFRC
22-Oct-26	Thur	Lecture EYE Integration	Lecture Gross Anatomy	Lecture Histology		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
						Lecture Community Medicine	Lecture Pathology	Clinical Skill	Lecture PERL Professionalism		CFRC
23-Oct-26	Fri	SGD Anatomy		Lecture Physiology	11:00-12:00	12:00-1:00	1:00-2:30	2:30 - 3:30			5:00 - 6:00
					Lecture Histology	Tutorial Anatomy Embryology Biochemistry Physiology	JUMMA BREAK	Lecture Quran			CFRC

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-25		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # V		MODULE - 09	
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00
26-Oct-26	Mon	Lecture Physiology	SGD Anatomy		BREAK	Lecture Embryology	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology		BREAK	CFRC
27-Oct-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30		5:00 - 6:00
		Lecture Gross Anatomy	Lecture Physiology	Lecture Embryology		Lecture Biochemistry	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology			CFRC
28-Oct-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
		Allied Subjects Integrated Formative Assessment 02	SGD Anatomy			Practical Histology Biochemistry Physiology		Clinical Skill	Tutorial Anatomy Embryology Biochemistry Physiology		CFRC
29-Oct-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30	5:00 - 6:00		
		SGD Anatomy		Lecture Embryology	Lecture EYE Integration	Lecture Behavioural Science	Clinical Skill	Lecture PERL Professionalism	CFRC		
30-Oct-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30		2:30 - 3:30	5:00 - 6:00	
		Lecture Histology	Lecture Physiology	SGD Anatomy		Tutorial Anatomy Embryology Biochemistry Physiology	JUMMA BREAK		Lecture Quran	CFRC	

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-26		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # V		MODULE - 09	
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00
2-Nov-26	Mon	SGD Anatomy		Lecture Physiology	BREAK	Lecture Embryology	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology		BREAK	CFRC
3-Nov-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30		5:00 - 6:00
		SGD Anatomy		Lecture Embryology		Lecture Physiology	Tutorial Anatomy Embryology Biochemistry Physiology	Practical Histology Biochemistry Physiology			CFRC
4-Nov-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
		Lecture Physiology	SGD Anatomy			Lecture Behavioural Science	Lecture ENT AGING	Clinical Skill	Tutorial Anatomy Embryology Biochemistry Physiology		CFRC
5-Nov-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30	5:00 - 6:00	
		Lecture Gross Anatomy	Lecture Physiology	Lecture Embryology		Practical Histology Biochemistry Physiology		Clinical Skill	Lecture PERL Ethics		CFRC
6-Nov-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30		2:30 - 3:30	5:00 - 6:00	
		SGD Anatomy		Lecture ENT Integration	Lecture Histology	Tutorial Anatomy Embryology Biochemistry Physiology	JUMMA BREAK		Lecture Pakistan Studies		CFRC

Allocation of Hours

AVICENNA MEDICAL COLLEGE, LAHORE																																
2ND YEAR MBBS																																
Wk #	Anatomy			Biochemistry			Physiology			Path			Pharm		Bh.Sc.	C.M.	Clinical Lectures	PERL				Quran	Islamiyat	Pak Std	Clinical Skills	Clinical Rotations	Comp. Sc.	EEW	Sports	Exam	Total	
	Lec	Tut	Prac	Lec	Tut	Prac	Lec	Tut	Prac	Lec	Tut	Prac	Lec	Prac				Prof	Ethics	Research	Lead											
1	9		2	6		2	5		2	1					1	1						1	1		2	5		1			39	
2	7	1	2	6	1	2	4	1	2	1					1			2				1			2	5	1				39	
3	7	2	2	5	1	2	3	1	2	1					1	1			2			1			2	5		1			39	
4	5	1	2	4	1	2	1	1			1		2	1							2	1			2	4				1	32	
5	8	1	2	7	1	2	2	1						2	1	1					1	1	1	1	2	5					39	
6	8	2	2	8	1	2	2	1	2						1	1				1				1	2	5					39	
7	4	1	2	3	1	2	6	1	2	2						1		1				1				5				7	39	
8	5	1	2	5	1	2	7	1	2	2				1		1			1						2	5			1		39	
9	4	1	2	5	1	2	8	1		2		2		1		1					1				2	5			1		39	
10	3	1	2	3	1	2	8	1		3				1	2		1			1	1				2	5			1		39	
11	2	1	2	2	1	2	2	1	2	1					1			1								3	1			1	24	
12	6		2	4		2	6			1	2							1					1		5		1	1	1	7	39	
13	6	1	1	2	1	1	4	1		1	1							1				1	1		5	1		1	1	10	39	
14	5	1	2	2	1		5	1	2	2	2	1			1					1		1			2	4					32	
15	7	1	2	3	1		6	1		1	2	1	2		1		1			1		1			2	5	1		1		39	
16	6	1	2	2	1	2	4	1		1	2										1			2	4			1	1		31	
17	6	1	2	3	1	2	6	1	2	2	2					1					1		1		5	1			1		39	
18	6	1	1	2	1		6	1	2	1	2		1		1			1				1	1	1	2	5	1		1	1	39	
19	6	1	1	3	1		6	1	2	1		2			1							1	1	1	1	2	5	1		1	39	
20	7	1		3	1		9	1	2						1	1	1					1	1		1	2	5		1	1	39	
21	12		2	1		2	4		2	1						1					1					5				1	7	39
22	11	2	2	1	1	2	4	1	2	1						1			1						5					5	39	
23	9	2	2		1	2	3	1	2							1					1					4				11	39	
24	12	2	2		1	2	5	1	2	1						1		1				1			2	5				1	39	
25	13	2	2	1	1	2	4	1	2						1			1				1			2	5				1	39	
26	13	2	2		1	2	5	1	2						1		1		1					1	2	5					39	
27	8		1	2		1	8		1									1	2	1				1		5					7	39
28	4	1	1	1	1	1	6	1	1												1	1	1	1	2	5		1		10	39	
29	9	1	1	3	1	1	9	1	1					1							1	1	1		2	5		1			39	
30	8	1	1	3	1	1	9	1	1	1											1	1	1		2	5	1	1			39	
31	8	1	1	2	1	1	9	1	1	1					1						1	1	1		2	5	1	1			39	
32	9	1	1	2	1	1	7	1	1		1				1	1						2			2	5	1	1		1	39	
33	4	1	1	2	1	1	8	1	1		1					1	1	6						1	2	5		1			39	
34	3		1	1						6		1	3	1		2				1			4	1	2	2	5	1	4		1	39
35	2		1	1						6		1	3	1	1	1						2	1	1	2	5	1	2		8	39	
36																															17	17
37																															34	34
38																															27	27
39																															14	14
242	36	56	98	29	48	181	29	41	43	2	21	14	10	15	21	9	9	6	7	15	28	13	13	52	169	12	16	28	157	1420		
AL	AT	AP	BL	BT	BP	PL	PT	PP	PtL	PtT	PtP	PhL	PhP	Bh.Sc.	C.M.	Clin Lec	Prof	Ethics	Research	Lead	Quran	Isl	PS	CI SK	CI Rota	CS	EEW	Sports	Exam	1263		
278	56	127	48			210	41		45	21		24							37											65		
334			175			251					66																				1328	

Module Outcome

- Integrate the anatomical and pathophysiological aspects of the Head & Neck, eye, ear, nose, tongue, vestibular system and the neural pathways, receptors involved in their function with the clinical aspects.
- Develop the ability to identify and diagnose common pathologies such as cataracts, glaucoma, age-related degeneration, hearing loss, impacted wax, otitis media and olfactory disorders.
- Demonstrate the clinical examination (simulation) skills necessary for the assessment of special senses, such as ophthalmoscopy, otoscopy, rhinoscopy, and vestibular testing.
- Differentiate the differential diagnosis and options available for special senses conditions, including medical, surgical, and rehabilitative approaches.
- Illustrate awareness of the impact on overall health and well-being, the importance of preventing and early detection of related disorders.
- Develop the ability to communicate effectively with patients and their families, including explaining diagnosis and treatment options, and providing emotional support.
- Practice the attitude to work in a multidisciplinary team, collaborating with other healthcare professionals to provide comprehensive care for patients.
- Equip themselves with the ability to appreciate the significance of lifelong learning and professional development to keep up with latest advances in the clinical field.

Learning Objectives

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 56	
		DISCIPLINE	TOPIC
	Define the boundaries and openings of the orbital cavity. List orbital contents and structures traversing these openings.	Human Anatomy	
	In a tabulated manner list the extraocular and intraocular muscles of eyeball giving their nerve supply and actions		
	List and define the movements of eyeball with special reference to orbital and visual axis		
	Describe the functional modalities, course, distribution, branches of oculomotor, trochlear and abducent nerve. Describe the location, roots and distribution of ciliary ganglion.		
	Describe the course and distribution of optic nerve in reference to visual pathway. Give the effects of its lesions.		
	Give the clinical correlates of nerves supplying the eyeball and its muscles. Give anatomical justification for Horner's syndrome.		

HNSS-A-001	Describe the course and branches of ophthalmic artery mentioning its origin and termination.		Eye
	Describe the structure of eyelids, conjunctiva and tarsal glands with their neurovascular supply		
	List the parts of Lacrimal apparatus giving their location and anatomical features. Describe the nerve supply of lacrimal gland.	Human Anatomy	
	Describe the location, roots and distribution of pterygopalatine ganglion.	Human Anatomy	

	Give the anatomical structure of eyeball emphasizing on its three coats and their neurovascular supply	Human Anatomy	
	Describe the boundaries of nasal cavity: nasal septum, lateral wall of nose, roof and floor. Give their anatomical features and neurovascular supply.	Human Anatomy	
	Describe the anatomical features and neurovascular supply of external nose	Human Anatomy	

HNSS-A-002	List the paranasal sinuses giving their locations, openings, neurovascular supply and clinical significance.	Human Anatomy	Nose
	Describe the course and distribution of olfactory nerve in reference to olfactory pathway. Give the effects of its lesions.	Human Anatomy	
	Describe the anatomical features and neurovascular supply of external ear	Human Anatomy	
HNSS-A-003	Describe the boundaries, contents, neurovascular supply and communications of middle ear cavity.	Human Anatomy	Ear
	Describe the parts, anatomical features and neurovascular supply of internal ear.	Human Anatomy	
	Describe the course and distribution of vestibulocochlear nerve mentioning the effects of its lesion. Describe auditory pathway.	Human Anatomy	
HNSS-A-004	Discuss lesions of motor and sensory nerves supplying the tongue. Discuss the anatomical correlates of lingual carcinoma in reference to lymphatic drainage of tongue.	Human Anatomy	Tongue
HNSS-A-	Describe the features of Norma Frontalis, Norma Verticalis, Norma Parietalis, Norma occipitalis and Norma Basalis	Human Anatomy	Skull

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	Describe the features of Norma lateralis: temporal, infratemporal & pterygopalatine fossae giving their boundaries, contents and communications.	Human Anatomy	
	Discuss the sutures and fontanelles of skull, their age changes and clinical significance.	Human Anatomy	
HNS S - A - 0 0 6	List the layers of scalp and describe the anatomical features with neurovascular supply and lymphatic drainage of scalp.	Human Anatomy	Scalp
	Give anatomical justification of spread of scalp infections, profuse bleeding in superficial scalp lacerations, gaping of scalp wounds and black eye.	Human Anatomy	
HNS S - A - 0 0 7	Enlist in tabulated manner the muscles of facial expression and mastication, giving their nerve supply and actions. Define modiolus.	Human Anatomy	Muscles of facial expressions

HNS S - A - 0 0 8	Describe the functional modalities, course, branches, and distribution of cranial nerves innervating the face (sensory and motor): trigeminal and facial nerves	Human Anatomy	Neurovascular supply of face
	Describe the vascular supply and lymphatic drainage of face.	Human Anatomy	
	Draw a diagram to illustrate cutaneous innervation of face.	Human Anatomy	
	Discuss anastomoses of facial artery with contralateral vessels and branches of internal carotid artery with their clinical significance.	Human Anatomy	
HNS S - A - 0 0 9	Describe the danger area of face with its clinical significance. Define the routes of spread of infection from face and scalp to intracranially.	Human Anatomy	Danger area
HNS S - A - 0	Describe the bony features and muscle attachment of mandible.	Human Anatomy	Mandible.
	Classify temporomandibular joint mentioning its ligaments, relations, nerve supply and movements (with their mechanics and muscles producing them).	Human Anatomy	

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HNSS-A-011	Describe the location, roots and distribution of otic and submandibular ganglia.	Human Anatomy	Otic and Submandibular ganglia.
HNSS-A-012	Describe the anatomical features of Hyoid bone and give attachments on the bone.	Human Anatomy	Hyoid bone
HNSS-A-013	Enumerate the types of cervical vertebrae and list the differences between them. Describe the anatomical features and attachments on cervical vertebrae.	Human Anatomy	Cervical vertebrae
	Classify the joints of cervical vertebrae mentioning their ligaments, movements with muscle producing them and neurovascular supply.	Human Anatomy	
HNSS-A-014	List the prevertebral muscles of cervical region. Describe their attachments, actions and innervation.	Human Anatomy	Prevertebral muscles
HNSS-A-015	Enumerate parts of deep cervical fascia with their respective extents, attachments, relations and contents.	Human Anatomy	Deep cervical fascia
HNSS-A-016	Describe the facial spaces in head and neck mentioning their communications and their relation	Human Anatomy	Facial spaces

	to spread of infection.		
HNSS-A-017	Describe the attachments, actions and nerve supply of infrahyoid and suprahyoid muscles of neck.	Human Anatomy	Infrahyoid and suprahyoid muscles
HNSS-A-018	Describe the location, formation and distribution of ansa cervicalis.	Human Anatomy	Ansa cervicalis.
HNSS-A-019	Describe the attachments, actions and nerve supply of sternocleidomastoid and trapezius.	Human Anatomy	Sternocleidomastoid and trapezius
HNSS-A-020	Describe the boundaries and contents of suboccipital, anterior and posterior triangles of neck.	Human Anatomy	Triangles of neck
HNSS-A-021	Describe the cervical part of trachea and esophagus with their neurovascular supply.	Human Anatomy	Trachea and esophagus
HNSS-A-022	Describe the location, anatomical features and vascular supply of thyroid and parathyroid glands. List the variations in location of parathyroid glands.	Human Anatomy	Thyroid, Parathyroid glands
HNSS-A-023	Describe the carotid arteries mentioning their origin, course, branches, distribution and termination.	Human Anatomy	Carotid arteries

HNSS-A-024	Describe carotid body and carotid sinus and give their clinical significance.	Human Anatomy	Carotid body
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HNSS-A-025	Give the venous drainage of Head and Neck region. Describe the formation, tributaries and area of drainage of vessels constituting jugular venous system.	Human Anatomy	Head & Neck venous supply
HNSS-A-026	Name the superficial and deep cervical lymph nodes and give their location and drainage areas	Human Anatomy	Lymphatics
HNSS-A-027	Describe the location, formation, branches, distribution and lesions of cervical plexus	Human Anatomy	Cervical plexus
HNSS-A-028	Name the pharyngeal constrictor muscles defining their attachments, innervation and structure traversing the gaps between adjacent muscles.	Human Anatomy	Pharynx
HNSS-A-029	Name the parts of larynx giving their extent, anatomical features, musculoskeletal framework and neurovascular supply.	Human Anatomy	Larynx
HNSS-A-030	Discuss the location, anatomical features, relations and vascular supply of tonsils: nasopharyngeal, palatine and lingual.	Human Anatomy	Tonsils
EMBRYOLOGY & POST-NATAL DEVELOPMENT			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 15	
		DISCIPLINE	TOPIC
HNSS-A-031	Describe the development of Skull	Embryology	Skull

HNSS-A-032	List the components of pharyngeal apparatus. Describe the development of pharyngeal arches, grooves, pouches and membrane and give derivatives and fate of each of them.	Embryology	Pharyngeal apparatus pharyngeal arches
HNSS-A-033	Describe the development and histogenesis of auditory tube, tympanic cavity, tonsils, thymus and parathyroid	Embryology	auditory tube, tympanic cavity, tonsils, thymus and parathyroid
HNSS-A-034	Discuss the embryological basis of congenital anomalies related to the development of pharyngeal	Embryology	Congenital anomalies

	arches, pharyngeal clefts and pharyngeal pouches: cervical sinus/fistula/cyst, 1 st arch syndrome, DiGeorge syndrome, congenital malformations of thymus and parathyroid glands		
HNSS-A-035	Describe the development of face and nasolacrimal duct and their respective congenital anomalies.	Embryology	Face and nasolacrimal duct
HNS-A-036	Describe the development of nasal cavity and paranasal sinuses. Give the associated congenital anomalies.	Embryology	Nose
HNSS-A-037	Describe the development of larynx.	Embryology	Larynx

HNSS-A-038	Describe the development of lip and their associated congenital malformations.	Embryology	Lips and palate
HNSS-A-039	Describe the development of optic vesicle and retina.	Embryology	Eye & ear
	Describe the development of cornea, sclera, choroid, iris, ciliary body and lens and relate it to their respective congenital anomalies.	Embryology	
	Describe the development of internal ear and give the embryological basis of associated congenital anomalies.	Embryology	
MICROSCOPIC ANATOMY (HISTOLOGY & PATHOLOGY)			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 08	
		DISCIPLINE	TOPIC
HNSS-A-040	Describe the histological structure of layers of eyeball, eyelid and retina.	Histology	Eye
	Describe the light and electron microscopic structure of cornea.	Histology	

HNSS-A-041	Describe the histological and ultramicroscopic structure of internal ear with special reference to Organ of Corti.	Histology	Ear
NORMAL FUNCTION			
MEDICAL PHYSIOLOGY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 30	
		DISCIPLINE	TOPIC
HNSS-P-001	Define and describe the visual acuity	Physiology	Visual Acuity
	Define Emmetropia	Physiology	
	Enlist the errors of refraction	Physiology	
	Explain the cause, features, physiological basis, and correction of Hyperopia	Physiology	
	Explain the cause, features, physiological basis, and correction of myopia	Physiology	
	Explain the cause, features, physiological basis, and correction of astigmatism	Physiology	
	Describe the pathophysiology and treatment of cataract	Integrate with Ophthalmology	
HNSS-P-002	Interpret common treatment modalities for Refractive errors	Integrate with Ophthalmology	Refractive Errors

HNSS-P-003	Describe the mechanism of formation and outflow of aqueous humor	Physiology	Fluid systems of the Eye
	Describe normal value of intraocular pressure and its regulation	Physiology	
	Describe the method for measuring the intraocular pressure	Integrate with Ophthalmology	
HNSS-P-004	Discuss the clinical features of Open Angle and Angle Closure Glaucoma Describe the causes and features and pathophysiology of glaucoma	Integrate with Ophthalmology	Glaucoma
HNSS-P-005	Describe the physiological anatomy and function of structural elements of retina	Physiology	Retina

	Enlist different layers of retina		
	Explain the significance of melanin pigment in retina		
	Describe macula and foveal region of retina and their significance		
	Describe the structure of rods and cones		
	Comment on the location of optic disc and its significance		
	Describe the cause, features, and treatment of retinal detachment		

	Differentiate the Visual Pathway from the Cones to the Ganglion Cells and from rods to the ganglion cells		
	Enlist the current investigations for Retinal Diseases	Integrate with Ophthalmology	
HNSS-P-006	Describe the rhodopsin-retinal visual cycle	Physiology	Photochemistry of vision
	Describe the mechanism of excitation of rods/ rods receptor potential	Physiology	
	Describe the causes and treatment of night blindness	Physiology	
HNSS-P-007	Define and describe different mechanisms of light adaptation	Physiology	Adaptation
	Define and describe different mechanisms of dark adaptation	Physiology	
	Enumerate the diseases leading to Night Blindness and retinal detachment	Integrate with Ophthalmology	
HNSS-P-008	Explain the tri color mechanism of color determination	Physiology	Color vision
	Define term protanopes, deuteranopes, tritanopes	Physiology	
	Enlist the types of color blindness and their causes	Physiology	
	Enlist clinical features of Color vision deficiencies	Integrate with Ophthalmology	
	Trace the visual pathway		

HNSS-P-009	Enlist and describe the abnormalities of visual pathway & visual field	Physiology	Visual Pathways
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	Explain the effect of removal of primary visual cortex		
HNSS-P-010	Define the physiological blind spot and describe its location	Physiology	Field of vision
	Define scotoma/ pathological blind spot and enlist causes	Physiology	
HNSS-P-011	Illustrate the abnormalities of field of vision	Integrate with Ophthalmology	Visual fields
HNSS-P-012	Describe the muscular and neural control of eye movements	Physiology	Eye movements
HNSS-P-013	Define and enlist the types of Strabismus	Integrate with Ophthalmology	Strabismus
HNSS-P-014	Explain the mechanism of accommodation	Physiology	Accommodation
	Enlist the components of near response in accommodation	Physiology	
	Describe the neural pathway for accommodation reflex	Physiology	
	Describe the regulation of accommodation	Physiology	
	Enlist the clinical features of Presbyopia	Integrate with Ophthalmology	
	Trace the neural pathway for pupillary light reflex	Physiology	

HNSS-P-015	Explain the pupillary light reflexes or reactions in CNS diseases	Physiology	Pupillary light reflex
	Describe the cause and features of Horner syndrome	Physiology	
	Illustrate the differential diagnosis of Anisocoria	Integrate with Ophthalmology	
HNSS-P-016	Describe the physiological anatomy of outer and middle ear	Physiology	Sense of hearing
	Enlist the functions of middle ear	Physiology	
	Discuss clinical features and treatment of impacted wax	Integrate Otorhinology	
	Define causes and clinical features of Otomycosis	Integrate Otorhinology	
	Describe the mechanism of impedance matching and its significance	Physiology	

	Describe the mechanism of attenuation reflex and its significance	Physiology	
HNSS-P-017	Describe the physiological anatomy of inner ear	Physiology	Inner Ear/ Cochlea
	Describe the mechanism of transmission of sound waves in cochlea	Physiology	

HNSS-P-018	Describe the physiological anatomy and function of organ of Corti	Physiology	Organ of Corti
	Describe the mechanism of generation of endo-cochlear potential and its significance	Physiology	
HNSS-P-019	Write down the normal range of frequency for hearing	Physiology	Determination of sound frequency
	Describe the role of place principle in determination of sound frequency	Physiology	
	Describe the role of volleys principle in determination of sound frequency	Physiology	
HNSS-P-020	Discuss determination of loudness of sound		Determination of Loudness
HNSS-P-021	Trace the normal auditory nervous pathway	Physiology	Auditory pathway
	Describe the types of deafness	Physiology	
	Discuss the clinical features and investigations of Congenital and Acquired hearing loss	Integrate with Otorhinolaryngology	
HNSS-P-022	Enlist the primary taste sensations	Physiology	Sense of Taste
	Define and explain the term taste blindness	Physiology	
	Describe the physiological anatomy and location of taste buds	Physiology	
	Describe the mechanism of stimulation of taste buds/ receptor potential	Physiology	

HNSS-P-023	Trace the pathway of taste sensation	Physiology	Excitation of Taste buds
HNSS-P-024	Define and explain the terms: Ageusia, Hypergeusia, Hypogeusia and dysgeusia	Physiology	Abnormalities of Taste sensations
	Describe the senile changes in taste buds		
HNSS-P-025	Explain the terms: Taste preference and taste aversion	Physiology	Taste preference and aversion

HNSS-P-026	Enlist the primary sensations of smell	Physiology	Sense of smell
	Describe the physiological anatomy and location of olfactory membrane	Physiology	
	Explain the mechanism of excitation of olfactory cells, membrane potential and action potential on olfactory cells		
	Discuss the Adaptation of olfactory sensations Discuss the transmission of smell signals in the the CNS		
HNSS-P-027	Enlist the causes and clinical features of Rhinitis	Integrate with Otorhinolaryngology	Rhinitis
	Differentiate between viral and allergic Rhinitis	Integrate with Otorhinolaryngology	
MEDICAL BIOCHEMISTRY			
		TOTAL HOURS = 07	

CODE	SPECIFIC LEARNING OBJECTIVES	DISCIPLINE	TOPIC
HNSS-B-001	Discuss the metabolism of mono and disaccharides	Biochemistry	Metabolism of mono and disaccharides
	Interpret Hereditary fructose intolerance, fructosuria, galactosemia and lactose intolerance, in relevance to the clinical findings	Biochemistry	
	Explain the Polyol pathway and effect of hyperglycemia on sorbitol pathway	Biochemistry	
	Discuss the sources, metabolically active forms, biochemical role and clinical correlation of Vit-A with vision	Biochemistry	
PATHOPHYSIOLOGY AND PHARMACOTHERAPEUTICS			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 03	
		DISCIPLINE	TOPIC
HNSS-Pa-001	Enlist the common causative agents of Eye, Ear infections	Pathology (Microbiology)	Eye/Ear infections

	Discuss the pathogenesis and clinical features of common pathogens		
DISEASE PREVENTION AND IMPACT			
CODE	COMMUNITY MEDICINE & BEHAVIORAL SCIENCE	TOTAL HOURS = 06	
	SPECIFIC LEARNING OBJECTIVES	DISCIPLINE	TOPIC
HNSS-CM-001	Identify factors leading to noise pollution	Community Medicine/ Otorhinolaryngology	Hearing loss
HNSS-CM-002	Describe the common causes of blindness in community	Community Medicine	Blindness
	Describe risk factors and preventive strategies for blindness at community level	Behavioral Sciences	
HNSS-BhS-001	At end of module the students will learn the psychosocial aspects of pain which will help in understanding the complex and multidimensional nature of pain.		
AGING			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 03	
		DISCIPLINE	TOPIC
HNSS-Ag-001	Familiarize with the age-related hearing loss	Otorhinolaryngology	Deafness

HNSS-Ag-002	Discuss the age changes of mandible	Anatomy	Head & Neck
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HISTOLOGY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 09	
		DISCIPLINE	TOPIC
HNSS-A-042	Draw and label diagrams to show histological structure of serous demilunes, serous and mucous acini.	Histology	Head & Neck
HNSS-A-043	Draw and label diagrams to show histological structure of eyelid and cornea.	Histology	Eye
	Draw and label a diagram to show histological structure of retina. List its histological layers and their respective components	Histology	
HNSS-A-044	Draw and label a diagram to show histological structure of internal ear.	Histology	Ear
PHYSIOLOGY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 16	
		DISCIPLINE	TOPIC
HNSS-P-028	Examine the Second, Third, Fourth & Sixth Cranial Nerves		Cranial Nerves
HNSS-P-029	Examination of Light Reflex		Light reflex

HNSS-P-030	Determine the Visual Acuity for Far and Near vision	Physiology	vision
HNSS-P-031	Perform Ophthalmoscopy		ophthalmoscopy
HNSS-P-032	Examine Field of Vision and interpretation of visual field plotted	Physiology	Visual field
HNSS-P-033	Examine Color Vision		Color vision
HNSS-P-034	Perform Tuning fork test and audiometry, interpret the report		Ear

BIOCHEMISTRY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 05	
		DISCIPLINE	TOPIC
HNSS-B-002	Interpretation of insulin and C peptide	Biochemistry	Interpretation of results
HNSS-B-003	Demonstrate HbA1C		HbA1C
HNSS-B-004	Detect abnormal constituents in urine by chemical methods		Abnormal constituents in urine

Operational Definition

Traditional & Innovative Teaching Methodologies

Sr.	Pedagogical Methodologies	Description
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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. Practical 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

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%	

MBBS YEAR-2						
SUBJECT	THEORY		PRACTICAL			TOTAL
Block-5 Modules (ENDOCRINOLOGY & REPRODUCTION-1) (HEAD & NECK SPECIAL SENSES)	Part 1	140 marks	Practical/Clinical examination	011 OSPE	Marks	350
	MCQs			02 OSCE	88	
	(140)			03 OSVE	10	
	Internal Assessment 10%	35 Marks	Internal Assessment 10%	35 Marks		
	Total	175	Total	175		

INTERNAL ASSESSMENT

It shall constitute 20% of the total assessment at the end of the academic year.

	Scoring Parameter	Weightage (Percentage)
Theory 10 %	Attendance	75% attendance -1 % >85% attendance -2 %
	Block Exam	5 %
	Continuous assessment	3 %
Practical 10 %	Attendance	75% attendance -1 % >85% attendance -2 %
	Block Exam (OSCE / OSPE / OSVE / Short case)	5 %
	Portfolio-clinical logbooks (CFRC / PERLs / Clinical Clerkship)	3 %

Assessment Schedule:

Avicenna Medical College

2nd Year MBBS – Exam Schedule – 2026/27

Week #	Date	Exam
3	20/4/26 to 24/4/26	Tutorial Test
4	29/4/26	Integrated Formative Assessment – 01
5	4/5/26 to 8/5/26	Tutorial Test
6	11/5/26 to 15/5/26	Tutorial Test
7	21/5/26	Module – 06 (Theory + OSPE/OSVE)
9	8/6/26 to 12/6/26	Tutorial Test
10	17/6/26	Integrated Formative Assessment – 02
11	24/6/26	Allied Subjects Integrated Formative Assessment – 01
12	2/7/26	Module – 07 (Theory + OSPE/OSVE)
13	6/7/26	Block – IV (Theory)
13	7/7/26	Block – IV (OSPE / OSVE)
15	17/8/26 to 21/8/26	Tutorial Test
16	24/8/26 to 28/8/26	Tutorial Test
17	31/8/26 to 4/9/26	Tutorial Test

18	9/9/26	Integrated Formative Assessment – 03
20	23/9/26	Integrated Formative Assessment – 04
21	30/09/26	Module – 08 (Theory + OSPE/OSVE)
23	12/10/26 to 16/10/26	Tutorial Test
24	21/10/26	Integrated Formative Assessment – 05
25	28/10/26	Allied Subjects Integrated Formative Assessment – 02
26	2/11/26 to 6/11/26	Tutorial Test
27	11/11/26	Module – 09 (Theory + OSPE/OSVE)
28	16/11/26	Block – V (Theory)
28	17/11/26	Block – V (OSPE / OSVE)
30	30/11/26 to 4/12/26	Tutorial Test
31	7/12/26 to 11/12/26	Tutorial Test
32	16/12/26	Integrated Formative Assessment – 06
33	28/12/26 to 1/1/27	Tutorial Test
34	6/1/27	Integrated Formative Assessment – 07
35	13/1/27	Module – 10 (Theory + OSPE/OSVE)
35	18/1/27	Allied Subjects Integrated Formative Assessment – 03
36	21/1/27	Module – 11 (Theory + OSPE/OSVE)
36	25/1/27	Block – VI (Theory)
36	26/1/27	Block – VI (OSPE / OSVE)

Table of Specification

MBBS 2nd Professional

Block-5

Theme	Subject	Written Exam		Oral/Practical/Clinical Exam			
		MCQ (1 mark)	Marks	OSPE (8 marks each observed)	OSCE (5 marks each observed)	OSVE (14 marks each observed)	Marks
Normal Structure	Anatomy applied/clinical	50	50	04	-	01	46
Normal Function	Physiology applied/clinical	40	40	03	-	01	38
	Biochemistry applied/clinical	19	19	01	-	01	22
Disease Burden & Prevention	Community Medicine & Public Health	07	07	-	-	-	0
	Behavioral Sciences	04	04	-	-	-	0
Pathophysiology & pharmacotherapeutics	Pathology	18	18	2	-	-	16
	Pharmacology	02	02	1	-	-	08
CFRC	CF-2	-	-	-	01	-	05
PERLs	PERLs-2	-	-	-	01	-	05
Total		140	140	11 stations x 08 = 88	02 stations x 05 = 10	03 stations x 14=42	140

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.

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. Mowadat 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. Nasib R. Awan, 2nd edition

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

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