

Compare occlusion at the time of primary, mixed and permanent dentitions.	
Oral Embryology, Histology & Physiology	40
Describe embryological development of the oral cavity including the teeth, nasomaxillary complex, palate, maxillary sinus, mandible and TMJ. Relate clinically to developmental anomalies. <i>Note: General human development and the outline of head and neck embryology is studied in Anatomy.</i>	
Draw and label different developmental stages of a tooth and its associated structures. Name the function of each labeled structure.	
Detailed development, structure and function of the following oral tissues: enamel, dentin, pulp, cementum, periodontal ligament, alveolar bone, oral mucosa, salivary glands (saliva), temporomandibular joint	
Discuss the theories of dentin sensitivity	
Explain the process of eruption, shedding, pre and post eruptive tooth movements.	
Describe the life cycle of a tooth. Discuss age changes in oral tissues. Explain the process of repair and regeneration of oral tissues.	
Explain the mechanisms of mastication, swallowing and taste perception. <i>Note: Mastication and swallowing studied in Physiology. Only revision needed.</i>	
Oral Biology Practicals	
Practical experiments may be included Perform ground sectioning of teeth, Estimation of salivary flow rates, interincisal distances, attached gingival width, molar/dental relationships, taste areas, dentin sensitivity and exfoliate cytology.	

SYLLABUS / COURSE DETAILS FOR:

ISLAMIYAT & PAKISTAN STUDIES;

PAKISTAN STUDIES:

Refers to the discipline that encompasses the study of culture, demographics, geography, history, and politics of Pakistan.

PAKISTAN STUDIES: Suggested Lecture Hours = 25

The role of sufis and saints in the spread of Islam in the subcontinent.

Shah Waliullah and Tehrik – I – Mujahidin.

The war of Independence 1857.

Sir Syed Ahmed Khan and two nation theory.

The Aligarh Movement.

The Muslim League.

The Nehru report and Quaid-I-Azam 14 points.

The Ideology of Pakistan.
The initial problems faced by newly independent Pakistan.
Pakistan and the Muslim World.
The Kashmir problem.
The U.N.O.

ISLAMIYAT:

Within the context of the practice of medicine, it explains moral values and behaviours to be observed, practiced and followed by a muslim physician while performing his / her duties as doctor / administrator / advisor.

ISLAMIYAT: Suggested Lecture Hours = 25 Hours

Books Recommended:

Majawaza Nisab-e-Islamiyat Baray Mulhaqa Medical Colleges wa Idarajat. Published by Khyber Medical University Peshawar 2011. Patron Professor Dr. Hafizullah Khan, Vice Chancellor KMU.

Proposed Syllbus Topics:

Chapter – 1:

Selected Verses from Quran explaining the following. Awlaad ko nahaq qatal karnay ke mumaneat, Munashiyaat say bachney ka Hukam, Parda Poshi ke Ahmiat, Muashira ke Ishlah, Mareez ka rozay ka hukam, Takhleeq-a-Insan ke wazahat,

Chapter – 2:

Selected Ahadees explaining the following; Quran say taaluuq, Iman aur Islam, Sehate aur faraghat ke ahmiat, Husn-e-Akhlaq, Khush Kalami, Mareez ke ladiat, Islam main bimari ke tasawar, nak main dawa dalna, Ghalat dawaioun say bachna, bukhar say pani ko thanda karna, mareez ka liyae duaa, Ilaj ka liya Ilam ke Zaroorat,

Chapter – 3:

Islam kay bunyadi Aqaid; Toheed, Rasalat, Akhrat,

Chapter – 4:

Arkaan-e-Islam; Kalma-a-Tayyaba/Shahadat, Namaz, Zakat, Roza, Hajj

Chapter – 5: Illm-ul-Akhalq ke tareef wa Ahmiat, Insaan ki sifaat, wa khawas, Mazhab wa akhlaq ka taaluuq,

Chapter – 6:

Maqaasid-e-shariat aur insaani sihat, Insaani Jan ki hurmat.

Chapter – 7:

Paisha-e- tibb ki ahmiat aur fazeelat.

Chapter – 8:

Muaalej ki sifaat: Huqooq-ulllah aur huqooq-ul-Ibaad ka ilam, Hikmat wa danaayi, Aisaar wa hamdardi, Zimmadarana zindagi, Sabar, Naram guftaari, tawazu, raaz ki hifazat, Izzat-e- nafz, Afwoo wa darguzar, raham dili, Ihsaan, Khud aitemaadi, Aahd –wo- paimaan, Musaawaat. .

Chapter – 9:

Muaalej ka Muaalej say taaluuq ki ahmiat: Neki ke kaamoon main taawon, Hasad, Ghaibat, Bugh wa Kiina, Amar bil maroof wa nahe aanel mukar, Aadab-e-majlis.

Chapter – 10:

Muaalej aur Mareez ka taaluuq: Khush kalami, Aib-poshi, Raham wa shafqat, Mareez ko tassali dayna, Mareez ki iyadat, Mareez ki akhlaaqi tarbiat, Haraam dawaawoon say parhaiz, Mareez-ki-iyadat.

Chapter – 11:

Jehad aur qudrati aafaat main muaalej ki zimmadari: Jihaad ka mafhoom, Aag mein jalane sey mumaaneat, Mashla ki mumaaneat, Qatal-e-aseer ki mumaaneat.

Chapter – 12:

Muaalej ki zimma darian: Akhlaaq wa kirdar, sarkari shuubah main ghair qanooni wa hair akhlaaqi practice, Sarkaari haspatal main mulazemat, auqat-e-kaar ki pabandi, Ihsaas-e-zimmadari, mareez aur inkay lawaheqeen kay saath bartau, thashkhees wa ilaaj main laaparwahi na karna, Najayez tareeqey se tashheer, Aalaat wa adwiyat ki khareedari, Certificate ka ijra, Najji haspatal, Commission (Unlawful earning), Mehangi adwiyat tajweez karna. Ishtiharbaazi.

Chapter – 13:

Muaalej aur Muashira: Ammar bil maroof aur nahe anil-munkar.

SECOND YEAR BDS SUBJECTS

1. General Pathology
2. General Pharmacology
3. Pre-Clinical Dentistry
4. Oral Pathology
5. Science of Dental Materials
6. Behavioral Science

CONTACT HOURS ALLOCATION

SECOND PROFESSIONAL BDS

<u>SUBJECTS</u>	<u>LECTURES HOURS</u>	<u>PRACTICAL OURS</u>
General Pathology	40	150
General Pharmacology	40	150
Preclinical Dentistry		360
Oral Pathology	40	200
Science of Dental Materilas	40	190
Behavioral Sciencs	40	
Grand Total	200	1050