

KHYBER PAKHTUNKHWA MEDICAL FACULTY PESHAWAR

CURRICULUM

2nd, 3rd, & 4th Semester

DIPLOMA COURSE

DENTAL TECHNOLOGY



Bungalow No.86/D-5 Abdara Road University Town,
Peshawar.

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S. No	Subject	2 nd Semester		3 rd Semester		4 th Semester	
		Theory	C-W	Theory	C-W	Theory	C-W
1	Dental Anatomy & physiology	70	-	-	-	-	-
2	Oral Pathology & Oral Medicine	70	-	-	-	-	-
3	Community Dentistry	20	-	-	-	-	-
4	Dental Pharmacology & Chemistry of a Dental Material Minor Oral Surgery b Maxillofacial Surgery	-	150	40	100	60	90
5	Anaesthesia	-	-	25	-	-	-
6	Operative Dentistry	-	75	55	100	20	90
7	Prosthodontics	-	75	40	25	-	100
8	Orthodontics	-	60	-	-	10	-
9	Radiology	-	50	-	20	20	-
10	Periodontology	-	-	-	-	10	-
11	Paediatric Dentistry	-	-	-	-	-	-
12	Crown & Bridge work	-	60	-	100	-	100
Total		190	470	160	500	190	470
		660hours		660 hours		660 hours	

Duties & Role of Dental Technologist

- Preparation of Surgical Procedures & Layout of Instruments & Equipments for Dental procedures
- Routine Maintenance of Equipments & Instruments
- Assisting at the Chair Side during Dental Procedures (Four handed Dentistry)
- Dental Ethics, Rules & Regulation of Health Services
- Recording & Chairing including Medical & Dental History under instructions of Dental Surgeon

Reception, Clerikal, Secretarial & Administerative Duties

- Reception of Patients & Arranging Appointments
- General Supervision of Clinics & Maintenance of Dental Unit
- Filling & Maintenance of Patients Records
- Correspondence of Dental Supplies, Keeping & Ordering Supplies
- Knowledge of Dental Clinics, Law Relating to Dentistry

2nd Semester (Theory)

Time: 190 Hours

Paper A Anatomy

Paper B Physiology

Morphology of Tooth & its Developments

- Deciduous & Permanent Dentition
- Tooth eruption & Shedding
- Enamel, Dentine, Pulp, Cementum, Periodontium
- General Features of Head & Neck
- Surface Feature of Oral Cavity
- Salivary Gland
- Tongue
- Muscles of Facial Expression
- Muscles of Mastication
- Skull, Maxilla & Mandible (Introduction)
- Cranial Nerves (Introduction)
- **frown Muscles of Head & Neck** (Introduction)
- **Lymphatic drainage of head and neck introduction**

3rd Semester

Paper A oral Pathology & Pharmacology –I
Paer B community Dentistry with minor oral surgery

Oral Pathology & Oral Medicine

- Disorders of Development of Teeth
- Dental Carics
- Disorders of Dental Pulp
- Periodical Periodontitis
- Cyst of Jaws & Oral Soft Tissues
- Diseases of Periodontium
- Tumors
- Oral Alteration
- Infection of Oral Muscles
- Diseases of Temporomandibular Joints

Community Dentistry

Minor Oral Surgery

- The Extraction of Teeth
- Pre & Post Operative Care & Instructions

4th Semester

Paper A Oral pathology & Pharmacology –II
Paper B Applied Dintistry

Oral Pathology & Oral Medicine

- Oral Aspects of Systematic Disorder
- Facial Pain
- Allergy & Its Significance in Dentistry
- Sterilization & Disinfection

Dental Pharmacology & Chemistry of Dental Materials

- **Teaching & Learning Lectures**
 - Discussions, Charts, Diagrams, Models, Students to Draw Diagram
- **Evaluation**
 - Essay Type & Viva

Anaesthesia

- Local Anaesthesia
- Pre Indication
- Hazards of Local Anaesthesia

Conservation

- Introduction to Filling Materials
- Filling Materials (Types)
- Crown Bridge Work

Prosthodontics

- Introduction to Modern Prosthodontics
- Partial Dentures
- A Brief Outline of various Techniques & Procedures used in Modern Prosthodontics

Teaching/Learning

- ✓ Lectures
- ✓ Models
- ✓ Demonstration of Patients

Evaluation

- ✓ Essay Types & Viva

Operative Dentistry

- Inlays Crown Bridge Works

Radiology

- Techniques of Dental Radiography
- Orthopantography, Ophthalmology etc
- Composition & Types of X-Ray Films
- Hazard of Radiation & Safety Precautions

Periodontology

- A Brief Introduction to the Subject, Common Disease

Teaching/Learning

- ✓ Lectures
- ✓ Models
- ✓ Demonstration on Patients

Evaluation

- ✓ Essay Types & Viva

Practical & Clinical Work

Subject	2nd Semester	3rd Semester	4th Semester
Minor Oral Surgery	150 Hrs	100 Hrs	-
Prosthodontics	75 Hrs	80 Hrs	100 Hrs
Orthodontics	60 Hrs	100 Hrs	90 Hrs
Radiology	50 Hrs	20 Hrs	-
Total Hrs	335 Hrs	300 Hrs	190 Hrs

Teaching/Learning

- Demonstration on Patients & Models
- Demonstration on Dental Laboratory Procedures
- Students to do Dental Laboratory Procedures
- Students are not required to work on Patient, but they must Observe & see all Dental Surgical Procedures. They are required to know Dental Laboratory Procedures.
- Clinical Work for Minor Oral Surgery & Operative Dentistry should be arranged at LRH, Peshawar.
- Clinical Work for Maxillofacial Surgery, Prosthodontics & Orthodontics should be arranged at KCD, Peshawar.
- Radiology for 2nd Semester at LRH, Peshawar & for 3rd Semester at KCD, Peshawar.
- Private Sector would be consulted for the Laboratory Procedure of Crown & Bridge Work.
- Teaching Staff be made available from Govt: LRH & KCD, Peshawar.
- Anesthesia Technique will be taught with Minor Oral Surgery.
- Practical Clinical Work Relating to Periodontology will be cover with Operative Dentistry
- Paediatric Dentistry will be introduced with all the subjects concerning children problems

Evaluation

- Viva Voca