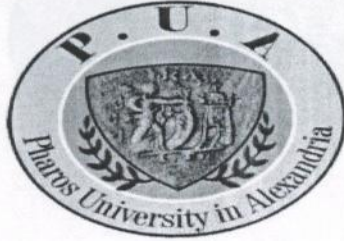


Pharos University
Faculty of Dentistry



لائحة الكلية باللغة الانجليزية



FACULTY OF DENTISTRY

STATEMENT OF MISSION AND OBJECTIVES

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MISSION

Pharos University in Alexandria is a leading university in the field of dentistry, providing a high quality education to its students. The university is committed to providing a high quality education to its students, and to ensuring that its graduates are well-equipped to meet the challenges of the dental profession. The university's mission is to provide a high quality education to its students, and to ensure that its graduates are well-equipped to meet the challenges of the dental profession.

An integral part of the mission is the responsibility of the university to ensure a prominent role in research and other scholarly activities in providing services to the community in order to develop health in education, and to ensure that the university is well-equipped to meet the challenges of the dental profession.

VISION

The vision of Pharos University in Alexandria is to be a leading university in the field of dentistry, providing a high quality education to its students. The university is committed to providing a high quality education to its students, and to ensuring that its graduates are well-equipped to meet the challenges of the dental profession. The university's vision is to provide a high quality education to its students, and to ensure that its graduates are well-equipped to meet the challenges of the dental profession.

Values that help Pharos University achieve its mission and vision

Faithfulness

Integrity

Efficiency

Cooperation

Communication

Leadership

Continuous professional development



FACULTY OF DENTISTRY

STATEMENT OF MISSION AND OBJECTIVES

MISSION

Pharos University in Alexandria is a teaching/ learning organization concerned in the creation of an educational system consisting of an innovative educational program that provides future graduate with the professional, analytical, and technological skills which will allow him/ her to be efficient quality providers in their fields of specialty, to be responsive to future changes in the profession, to be life time learners, and to advance knowledge.

An integral part of the mission is the responsibility of the university to assume a prominent role in research and other scholarly activities, to provide service to the community, and to develop leaders in education. Pharos University focuses on stake holder's participation in the performance enhancement of the educational outcomes that involve excellence, discovery, training, and leadership.

VISION

The vision of Pharos University in Alexandria is to reach excellence in education through upgrading professional competency, knowledge, skills and attitude of the undergraduate and post-graduate students in order to qualify him/ her to an accepted standard internationally for competing in local, regional and international job markets. Our prospective also includes driving the educational process towards electronic media, transfer of scientific knowledge, developing an effective strategy for promotion of scientific research and subjecting the progress plan to the molding of the community needs and accessibilities.

Values that help Pharos University to achieve mission and vision

Excellence
Integrity
Fairness
Cooperation
Communication
Courtesy
Continuous quality improvement



FACULTY DEPARTMENTS

The Faculty of Dentistry program includes the following departments:

1-Basic and Pre-Clinical science (BS)

2-Oral Biology: OB

- i. Dental Anatomy OBD
- ii. Oral Biology & Embryology OB

3. Oral Pathology OPTH

4. Oral Medicine & Periodontology OMPI

The department includes the following divisions:

- i.Oral Medicine OM
- ii. Periodontology PI
- iii.Oral Diagnosis OMD
- iv. Radiology OMR

5. Pediatric& Community Dentistry& PDCD

6. Oral & Maxillo facial Surgery: OS

7. Restorative Dentistry & Biomaterials: RD

The department includes the following divisions:

- i. Restorative Dentistry RD
- ii. Endodontics RDE
- iii. Dental Biomaterials RDM

8. Prosthetic Dentistry: PR

The department includes the following divisions:

- i. Removable Prosthodontics RPR
- ii. Fixed Prosthodontics FPR

9. Orthodontics: OR



REGULATIONS AND ACADEMIC PLAN

The study in the faculty is governed by a set of rules and regulations. The academic plan illustrates the faculty required courses.

REGULATIONS

These include the following items:

I. Admission Requirements:

- Students must hold the Egyptian high school certificate, or an equivalent certificate accepted by the Supreme Council of Egyptian Universities and not less than the total set by the council.
- Students are nominated for admission to the faculty according to the rules of the Supreme Council of Private Universities.
- Foreign students are nominated for admission to the faculty according to the general regulations of the ministry of higher education.
- Students must fulfill all requirements and comply with the rules of the faculty.
- Full-time study is a requirement for all students.
- The student successfully passes the admission exams and abilities or any other exams according to the rules determined by the university council.
- The student shall successfully pass the medical examination in accordance with the rules determined by the university council.
- The student passes the college entrance examination for registration.
- The collage does not accept students who are dismissed from other universities.
- The student is committed to the requirements of the English language.

II. Students Transfer:

Students may transfer from accredited Egyptian, foreign, private or governmental faculties of dentistry, to, Pharos University under the following conditions:

1. Students must have at least 2.0 cumulative GPA.
2. Required curricula passed by the student at original university that have counterparts at Pharos University will be considered for accreditation. Those which do not have counterparts at Pharos University will be considered as electives.
3. Grades of Egyptian high school certificate or equivalent degrees are not less than what was determined by the University council.
4. Students must pass entry exams determined by the University Council.
5. Students must spend **at least 6 semesters** at Pharos University and not less than 70 credit hour.
6. In all cases, the student is subject to the graduation requirements stipulated in the college in accordance with the statute of the pharos university.
7. Students with a first university degree in science may be admitted to the Department of Chemistry, Nature, Biology, Human Medicine or Pharmacy if the student has studied at the General Secondary School or the equivalent of the materials eligible for admission to the Pharos University Faculty of Dentistry and successfully passes the Determined by the University



III. Faculty Education System

- English is the medium of instruction. All faculty courses are assigned a credit hour value. Generally each one hour lecture is equivalent to one credit. Two hours laboratory session per week, are equivalent to one credit, unless otherwise specified by the degree plan.
- The academic year is divided into three terms (Fall, Spring, and Summer). The fall and spring terms are fifteen weeks each, while the summer term is only six weeks.
- Selected courses by the faculty may be offered in the summer term in which students can register in not more than three courses, according to the regulations of the faculty.
- To obtain the BDS degree, undergraduates are required to pass successfully at least **209 credit hours**.
- Successful candidates may terminate the full requirements in 5 academic years.

IV. Academic Advising

Advisors are expected to:

1. Decide with each student, individually, his/her class sheet for each semester before registration.
2. Follow up the student's progress and follow up with his colleagues and prof.
3. Help and solve academic and/or behavioral problems, if any.
4. Approve on course dropping, adding or withdrawal at assigned dates.
5. Follow up the student under the "academic observation" and the students arrested so close that they can return to the status of the school acceptable

V. Registration Procedure

1. Registration

Students are required to register at the beginning of each semester during the assigned registration period. Candidates select courses with the consultation of the academic advisor who must approve their work-load before registration. The registration department issues a regulation bulletin as well as the procedures to be followed.

2. Late registration

Candidates are allowed to register with maximum two weeks after the registration deadline, with the approval of the dean of the faculty.

3. Adding and dropping subjects

Candidates may add or drop a course during the period announced on the time-table of each semester as long as his/her work load remains within the permitted load limits.

VI. Withdrawal

Candidates have the right to withdraw from an academic semester within the withdrawal period announced on the academic calendar of the semester.

VII. Attendance

If the student's attendance is below 75% of the total number of hours in any course throughout the semester (with or without excuse) he/she should drop the course altogether. Otherwise, he/she will receive an (F) grade in the course evaluation.

VIII. Worksheets

Curriculum requirements leading to graduation are recorded on a worksheet kept in the student's folder. Worksheets are available in the registration office.



IX. Examinations and Grading System

A. Examinations:

- Evaluate student performance through written, practical, clinical and oral exams.
 - The examination system for each course shall be determined according to its nature and the decision of the College Council and approved by the University Council.
 - The final grade awarded to the student in a course is usually based on the sum of the first quiz, midterm and final grade exam of each semester.
- Grades are distributed as follows:
- | | |
|-----|--------------|
| 10% | quiz |
| 20% | midterm exam |
| 20% | assignments |
| 50% | final exam |
2. Each credit is allotted a total of 100 marks.
3. The pass percentage for each course is 60%

B. Grading System

Grade		Numerical Average	Grade Points
Highest Honor	A	100% to less than 95%	4
	A-	85% to less than 90%	3.7
Very Good	B+	80% to less than 85%	3.3
	B	75% to less than 80%	3.0
Good	B-	70% to less than 75%	2.7
	C+	65% to less than 70%	2.3
Pass	C	60% to less than 65%	2.0
Pass conditional	C-	56% to less than 60%	1.7
	D+	53% to less than 56%	1.3
	D	50% to less than 53%	1.0
Fail	F	Less than 50%	0

A student gets an E or NE grade in a course if he/she does not attend the final examination in that course. Grades E and NE are failing grades and carry no grade points.

Grade E is awarded to candidates absent in the final examination who present an accepted excuse. While grade NE is awarded to those who are absent during the final examination without excuse or with a non-approved excuse.



X. Grade-Point Average

The current grade-point average (Current GPA) and the cumulative grade-point average (Cumulative GPA) are calculated as indicated below:

Example:

Course	Credit Hours	Grade	Grade Point	Quality Point
Title 1	3	A	4	12
Title 2	3	B ⁻	2.7	8.1
Title 3	4	A ⁻	3.7	14.8
Title 4	3	C	2	6
Title 5	2	NE	0	0
Title 6	3	F	0	0
	18			40.9

Therefore the current GPA = $40.9/18 = 2.27$

The current GPA is an average determined by weighting each grade awarded during a one term study

- A student is considered under academic probation for 2 subsequent academic years if he/she records less than 2.0 cumulative GPA.
- A student must raise his/her GPA in the first year and by the end of the second semester, he/she must record 2.0 cumulative.
- During academic probation, a student may not register for more than 15 credits per semester.
- A student under academic probation may not join extra curricular activities such as sports teams, etc.
- A student under academic probation has to meet his/her academic advisor at least twice per month to follow up his/her academic performance and solve difficulties as they may arise.

XI. Student Suspension and Re-registration

- If the student fails to obtain 2.0 GPA at the end of the academic probation, he/she is suspended from attending the faculty.
- A student may submit a petition explaining circumstances that caused failure of recording 2.0 GPA cumulative.
- University Council may allow re-registration on conditions that help the students to proceed for graduation.

XII. Course Repeat for Students with C, D, E

- A student may repeat a course if he/she scores a grade less than C in that course.
- Approval of the Academic Advisor and Faculty Council are required.
- Final grade is based on the better score.
- Both grades are shown in transcript.

XIII. Course Repeat for Students with F

- A student may repeat a course if he/she scores an "F".
- If the student passes the re-sit exam, he will be awarded his/her grade or "C" as a maximum.
- Credits of the course are registered in the student's record.



IVX. Postpone Final Examination of a Course or More

- In case of serious circumstances, a student may postpone attending the final examination of a course(s) till the following semester with the approval of the Faculty Council.

XV. Graduation Requirements

- Students must fulfill the attendance requirements for practical and clinical training for each course.
- Students are required to pass all courses offered in the curriculum with a minimum grade "D".
- A cumulative GPA of minimum 2.0 is required
- If a student is a transfer from another university, he/she must spend at least 6 academic semesters at Pharos University in order to obtain the degree.

Grades		Average Cumulative grade score
Excellent	A	4.0 – 3.5
Very Good	B	3.49 – 2.75
Good	C	2.69 – 1.70
Acceptable	D	1.69 – 1.00

XVI. Graduation Honors

- High Honor: When a student records 3.7 or higher cumulative GPA.
- Honor: When a student records 3.3 to less than 3.7 cumulative GPA.

XVII. Internship Training/Rotation

- Internship year of rotational training is required to practice dentistry.
- High honor and honor students may obtain their training at the Faculty.
- Student's rotation schedule is settled via the Faculty with the appropriate hospitals.

XVIII. Affiliation with Other Universities

Faculty of Dentistry Board may request affiliation with other Egyptian or foreign university that provides similar quality of education.

A student registered at Pharos may spend a maximum of 2 semesters and study not more than 8 courses in affiliated university.

ACADEMIC PLAN

The Faculty of Dentistry has developed an innovative program that meets the current and future needs of Dentistry.

The curricula and courses offered are presented in detail using the given course coding system.

Course Coding System

The course starts with a certain abbreviation related to the subject followed by a 3-digit number like Chemistry ...CHM

The 3-digit number

Classified as follows:

- First digit refers to the academic year



- Second digit refers to levels of field of specialization
- Third digit refers to the semester.



18 credits
23 credits
40 credits
69 credits

1- General courses:

1- General courses:

Course Code	Course Name	Level	Semester	Credits	Prerequisites
UCP01	Computer Science I	1	1	3	
UCP02	English I	1	2	3	
UCP03	Mathematics I	1	3	3	
UCP04	English II	2	4	3	UCP02
UCP05	Mathematics II	2	5	3	UCP03
UCP06	English III	3	6	3	UCP04
UCP07	Mathematics III	3	7	3	UCP05
UCP08	English IV	4	8	3	UCP06
UCP09	Mathematics IV	4	9	3	UCP07

2- Specialized courses:

In addition to the required general courses students must select 4 courses from the following:

Course Code	Course Name	Level	Semester	Credits
UCS01	The ethics of dentistry	1	1	3
UCS02	Forensic dentistry	2	2	3
UCS03	Dental Photography	3	3	3

FACULTY REQUIREMENTS

In order to complete the requirements of the Bachelor Degree of Dental Sciences (BDS), the students should successfully pass a total of at least 209 credits as follows:

1. General courses	18credits
2. Basic Science courses	23 credits
3. Pre-clinical courses	69 credits
4. Clinical courses	99 credits
Total	209 credits

1- General courses:

i-Required courses

Code	Course	Lectures	Labs	Tutorial	Credit Hours	Pre-req
UC 01	Communication Skills	2			2	
UGE 01	English 1	-	2	4	2	
UEC 01	Computer Skills & Programming Concepts 1	1	2		2	
UGE 02	English 2	-	2	4	2	UGE 01
UEC 02	Computer Skills & Programming Concepts 2	1	2		2	UEC 01
GEN 211	Principles Of Law And Human Rights & Ethics	2	-		2	
UGE 03	English 3	-	2	4	-	UGE 02
UGE 03	Arabic Language Skills	2			2	
	Total hours	8	10	12	16	

ii-Elective courses

In addition to the required general courses students may select 1 course (2 Credits) from the following:

Code	Course	Lectures	Labs	Credit Hours
ELC 01	The ethics of Dentistry	2	-	2
ELC 02	Forensic dentistry	2	-	2
ELC 03	Dental Photography	2	-	2



2- Basic Science courses

Code	Course	Lectures	Labs	Credit Hours	Pre-req
CHM 111	Chemistry 1	1	2	2	
OBD 111	Dental Anatomy 1	1	4	3	
BPH 111	Biophysics	2	2	3	
ZOL 111	Zoology 1	1	2	2	
BOT 111	Botany & Genetics 1	1	2	2	
CHM122	Chemistry 2	1	2	2	
OBD 122	Dental anatomy 2	1	4	3	OBD 111
BCM112	Biochemistry 1	1	2	2	
ZOL 122	Zoology 2	1	2	2	
BOT 122	Botany & Genetics 2	1	2	2	
Total hours		11	24	23	

3-Pre-clinical courses

Code	Course	Lectures	Labs		Credit Hours	Pre-req
RDM 211	Dental Biomaterial 1	1	2		2	
BCM221	Biochemistry2	1	2		2	BCM112
PHY 211	General Physiology 1	2	2		3	
HST 211	General & Systemic Histology 1	1	2		2	
ANT211	Human Anatomy 1	2	2		3	
ANT 222	Human Anatomy 2	2	2		3	
PHY222	General Physiology 2	2	2		3	
HST 222	General & Systemic Histology 2	1	2		2	HST 211
OB 212	Oral Biology & Embryology 1	2	2		3	
RDM 222	Dental Biomaterial 2	2	2		3	RDM 211
PTH 212	General Pathology 1	1	2		2	
RD 311	Restorative Dentistry 1	1	4		3	RDM 222
FPR311	Fixed prosthodontic 1	1	3		2	RDM 222
RPR311	Removable Prosthodontics 1	2	4		4	RDM 222
MCR311	General Microbiology & Immunology1	1	2		2	BOT 122
PHM311	Pharmacology 1	1	2		2	CHM 122
OPTH311	Oral Pathology 1	2	2		3	OB 212
OB 321	Oral Biology & Embryology 2	2	2		3	HST 222
PTH 321	General Pathology 2	1	2		2	
RD 322	Restorative Dentistry 2	1	4		3	RD 311



Code	Course	Lectures	Labs		Credit Hours	Pre-req
FPR322	Fixed prosthodontic 2	1	3		2	FPR311
RPR322	Removable Prosthodontics	2	4		4	RDM 222
RDE 312	Endodontics 1	1	2		2	RD 311
MCR322	Oral Microbiology & Immunology 2	1	2		2	MCR311
PHM 322	Pharmacology 2	1	2		2	PHM311
OPTH322	Oral Pathology & Forensic Dentistry 2	2	2		3	OB 321
CD312	Dental Clinic Management, Dental Bio Informatics & infection control	1		2	2	
Total hours		38	62	2	69	

4- Clinical courses

Students should pass successfully all six previous semesters before attending the seventh semester (Clinical level)

Code	Course	Lectures	Labs	Tut	Credit Hours	Pre-req
OMR312	Dental Radiology	1	2		2	ANT 222
RD431	Restorative Dentistry 3	1	4		3	RD 322
FPR431	Fixed Prosthodontic 3	1	3		2	FPR 322
RPR431	Removable Prosthodontics 3	2	4		4	RPR311, RPR 322
RDE421	Endodontics 2	1	2		2	RDE 312
OS411	Local Anaesthesia & Pain Control	1	2		2	
OMD411	Oral Medicine & Diagnosis 1	2	2		3	
PI411	Periodontology 1	1	2		2	
OR411	Orthodontics 1	1	2		2	
GMD 411	General Medicine, Dermatology & Venereal Diseases 1	1	2		2	
GSR411	General Surgery , E.N.T. & Ophthalmology 1	1	2		2	
RD442	Restorative Dentistry 4	1	4		3	RD431
FPR442	Fixed prosthodontic 4	1	3		2	FPR431
RPR 442	Removable Prosthodontics 4	2	4		4	RPR431
RDE 432	Endodontics 3	1	3		2	RDE421
OS 422	Oral Exodontia	1	2		2	OS411
OMD 422	Oral Medicine 2	1	2		2	
PI422	Periodontology 2	1	2		2	PI411
OR422	Orthodontics 2	1	2		2	OR411
GMD422	General Medicine, Dermatology & Venereal Diseases 2	1	2		2	
GSR422	General Surgery , E.N.T. & Ophthalmology 2	1	2		2	GSR411



Code	Course	Lectures	Labs	Tut	Credit Hours	Pre-req
RD551	Restorative Dentistry 5	1	4		3	RD442
FPR551	Fixed prosthodontic 5	1	4		3	FPR442
RPR 551	Removable Prosthodontics (Advanced) 5	2	4		4	RPR 442
RDE 541	Endodontics 4	1	2		2	RDE 432
PDCD511	Pediatric Dentistry1	2	4		4	RD 442, RDE 432
PDCD531	Community Dentistry1	1		2	2	
OS531	Oral Maxillofacial Surgery & Dental Implants	2	2		3	OS 422
OMD531	Oral Medicine 3	1	2		2	
PI531	Periodontology 3	1	2		2	PI422
RD562	Restorative Dentistry6	1	4		3	RD551
FPR562	Fixed Prosthodontic6	1	4		3	FPR551
RPR 562	Removable Prosthodontics (Advanced) 6	2	4		4	RPR 551
RDE 552	Endodontics 5	1	2		2	RDE 541
PDCD522	Pediatric Dentistry 2	2	4		4	PDCD511
PDCD542	Community Dentistry 2	1		2	2	
OMD542	Oral Medicine 4	1	2		2	
PI542	Periodontology 4	1	2		2	PI531
OS542	Oral Maxillofacial Surgery & General Anaesthesia	2	2		3	OS531
Total hours		48	101	4	99	



STUDY PLAN

COURSE LIST BY SEMESTER:-

First Semester

Se.	Code	Course	Lectures	Labs	Credit Hours	Pre-req
1	UC 01	Communication Skills	2		2	
2	UEC 01	Computer Skills & Programming Concepts 1	1	2	2	
3	CHM 111	Chemistry 1	1	2	2	
4	OBD 111	Dental Anatomy 1	1	4	3	
5	BCM 112	Biochemistry 1	1	2	2	
6	ZOL 111	Zoology 1	1	2	2	
7	BOT 111	Botany & Genetics 1	1	2	2	
Total hours			8	14	15	

Second Semester

Se.	Code	Course	Lectures	Labs	Tutorial	Credit Hours	Pre-req
1	UGE 01	English 1		2	4	2	
2	UEC 02	Computer Skills & Programming Concepts 2	1	2		2	UEC 01
3	CHM 122	Chemistry 2	1	2		2	
4	OBD 122	Dental Anatomy 2	1	4		3	OBD 111
5	BPH 111	Biophysics	2	2		3	
6	ZOL 122	Zoology 2	1	2		2	
7	BOT 122	Botany & Genetics 2	1	2		2	
Total hours			7	16	4	16	



Third Semester

Se.	Code	Course	Lectures	Labs	Tutorial	Credit Hours	Pre-req
1	UGE 02	English 2		2	4	2	UGE 01
2	RDM 211	Dental Biomaterial 1	1	2		2	
3	BCM 221	Biochemistry 2	1	2		2	BCM 112
4	PHY 211	General Physiology 1	2	2		3	
5	HST 211	General & Systemic Histology 1	1	2		2	
6	ANT 211	Human Anatomy 1	2	2		3	
7		Elective	2			2	
8	GEN 211	Principles Of Law , Human Rights & Ethics	2			2	
Total hours			11	12	4	18	

Fourth Semester

	Code	Course	Lectures	Labs	Tutorial	Credit Hours	Pre-req
1	UGE 03	English 3		2	4	2	UGE 02
2	ANT 222	Human Anatomy 2	2	2		3	
3	PHY 222	General Physiology 2	2	2		3	
4	HST 222	General & Systemic Histology 2	1	2		2	HST 211
5	OB 212	Oral Biology & Embryology 1	2	2		3	
6	RDM 222	Dental Biomaterial 2	2	2		3	RDM 211
7	PTH 212	General Pathology 1	1	2		2	
Total hours			10	14	4	18	



Fifth Semester

Se.	Code	Course	Lectures	Labs	Credit Hours	Pre-req
1	RD 311	Restorative Dentistry 1	1	4	3	RDM 222
2	FPR311	Fixed Prosthodontic 1	1	3	2	RDM 222
3	RPR311	Removable Prosthodontics 1	2	4	4	RDM 222
4	MCR311	General Microbiology & Immunology 1	1	2	2	BOT 122
5	PHM311	Pharmacology 1	1	2	2	CHM 122
6	OPTH311	Oral Pathology 1	2	2	3	OB 212
7	OB 321	Oral Biology & Embryology 2	2	2	3	HST 222
8	PTH 321	General Pathology 2	1	2	2	
9	UGA 03	Arabic Language Skills	2		2	
Total hours			13	21	23	

Sixth Semester

	Code	Course	Lectures	Labs	Tut.	Credit Hours	Pre-req
1	RD 322	Restorative Dentistry 2	1	4		3	RD 311
2	FPR322	Fixed prosthodontic 2	1	3		2	FPR 311
3	RPR322	Removable Prosthodontics 2	2	4		4	RDM 222
4	RDE 312	Endodontics 1	1	2		2	RD 311
5	MCR322	Oral Microbiology & Immunology 2	1	2		2	MCR 311
6	PHM 322	Pharmacology 1	1	2		2	PHM 311 (Co-Req)
7	OPTH322	Oral Pathology & Forensic Dentistry 2	2	2		3	OB 321
8	CD312	Dental Clinic Management & Infection Control	1	-	2	2	
9	OMR312	Dental Radiology	1	2		2	ANT 222
Total hours			11	21	2	22	



Seventh Semester

Se.	Code	Course	Lectures	Clin	Lab	Credit Hours	Pre-req
1	RD431	Restorative Dentistry 3	1	4		3	RD 322
2	FPR431	Fixed prosthodontic 3	1	3		2	FPR 322
3	RPR431	Removable Prosthodontics 3	2	4		4	RPR 311,RPR 322
4	RDE421	Endodontics 2	1		2	2	RDE 312
5	OS411	Local Anaesthesia & Pain Control	1	2		2	
6	OMD411	Oral Medicine & Diagnosis 1	2	2		3	
7	PI411	Periodontology 1	1	2		2	
8	OR411	Orthodontics 1	1		2	2	
9	GMD 411	General Medicine, Dermatology & Venereal Diseases 1	1	2		2	
10	GSR411	General Surgery , E.N.T. & Ophthalmology 1	1	2		2	
Total hours			12	21	4	24	

Eighth Semester

Se.	Code	Course	Lectures	Clin	Lab	Credit Hours	Pre-req
1	RD442	Restorative Dentistry 4	1	4		3	RD 431
2	FPR442	Fixed prosthodontic 4	1	3		2	FPR 431
3	RPR442	Removable Prosthodontics 4	2	4		4	RPR 431
4	RDE432	Endodontics 3	1	2		2	RDE 421
5	OS422	Oral Exodontia	1	2		2	OS 411
6	OMD422	Oral Medicine 2	1	2		2	
7	PI422	Periodontology 2	1	2		2	PI 411
8	OR422	Orthodontics 2	1		2	2	OR 411
9	GMD 422	General Medicine, Dermatology & Venereal Diseases 2	1	2		2	
10	GSR 422	General Surgery , E.N.T. & Ophthalmology 2	1	2		2	GSR 411
Total hours			11	23	2	23	

For students to graduate they must fulfil the following requirements: 30 Credit Hours and equal or more than 2.0.



Ninth Semester

Se.	Code	Course	Lectures	Clin	Tut.	Credit Hours	Pre-req
1	RD 551	Restorative Dentistry 5	1	4		3	RD 442
2	FPR 551	Fixed prosthodontic 5	1	4		3	FPR 442
3	RPR 551	Removable Prosthodontics (Advanced) 5	2	4		4	RPR 442
4	RDE 541	Endodontics 4	1	2		2	RDE 432
5	PDCD 511	Pediatric Dentistry 1	2	4		4	RD 442, RDE 432
6	PDCD 531	Community Dentistry 1	1	-	2	2	
7	OS 531	Oral & Maxillofacial Surgery & Dental Implants	2	2		3	OS 422
8	OMD531	Oral Medicine 3	1	2		2	
9	PI 531	Periodontology 3	1	2		2	PI 422
Total hours			12	24	2	25	

Tenth semester

Se.	Code	Course	Lectures	Clin	Tut.	Credit Hours	Pre-req
1	RD 562	Restorative Dentistry 6	1	4		3	RD 551
2	FPR 562	Fixed Prosthodontic 6	1	4		3	FPR 551
3	RPR 562	Removable Prosthodontics(Advanced) 6	2	4		4	RPR 551
4	RDE 552	Endodontics 5	1	2		2	RDE 541
5	PDCD 522	Pediatric Dentistry 2	2	4		4	PDCD 511
6	PDCD 542	Community Dentistry 2	1		2	2	
7	OS 542	Oral & Maxillofacial Surgery & General Anaesthesia	2	2		3	OS 531
8	OMD 542	Oral Medicine 4	1	2		2	
9	PI 542	Periodontology 4	1	2		2	PI 531
Total hours			12	24	2	25	

NOTE :

For students to graduate they must fulfill the following requirements **209 Credit Hours** and **GPA** must be equal or more than **2.0**.



COURSE DESCRIPTION

Numbers in brackets refer to credit details (Lecture, Lab, Clinic, Tutorial,).

Latin numbers refer to semester.

English Courses

UGE 01 English 1

2 Cr (2, 4)

Students will be introduced to new vocabulary and will be able to construct a good sentence. They can read articles of general interest as well as more subject-specific materials of straight forward nature write short reports and make notes.

UGE 02 English 2

2 Cr (2, 4)

The course is designed to establish effective reading, writing, listening, speaking and study skills. Scientific and technical reading and writing are of major importance. Academic style and task-based work are stressed

UGE 03 English 3

2 Cr (2, 4)

. The course has a topic-based multi-strand syllabus which includes comprehensive work on grammar, vocabulary, pronunciation and integrated skills, where strong emphasis is placed on reading, writing and study skills as well as speaking and listening. With its purposeful approach, the course is particularly suitable for general English students working towards exams and those learners who may go on to, or are already in, further education.

General Courses

UC 01 Communication Skills

2Cr (2)

The definition of effective communication and its importance, and to recognize the elements of the communication models and its barriers and filters. In addition to the elements of the message starting from choosing the idea and formulating it and using verbal and nonverbal expression. Also, the course exposure the effective communication skills listening, speaking questioning, writing and reading. The course review the persuading theories which is related to the communication and advertising skills, in addition to demonstrating how to prepare effective presentations in front of the target audience and how to deal with him.

UEC 01 Computer Skills & Programming Concepts 1

2Cr (1, 2)

Students will be briefed as to the basic computer sciences and then trained to apply relevant uses of computer to their profession in areas of studying, practice, and research

UEC 02 Computer Skills & Programming Concepts 2

2 Cr (1, 2)

This Course presents computer applications in the field of dentistry.



GEN 211 Principles of Law & Human Rights & Ethics

2Cr (2)

This course begins by surveying the main ethical traditions in International Relations, such as cosmopolitanism and communitarians. The course then engages a range of practical issues, including human rights, international law, just war debates, humanitarian Prerequisite, While the second course will present the concepts of biomedical ethics and guide the student in discerning and managing the ethical issues of dental practice through analysis and discussion of case- based dental problems and ethical dilemmas.

UGA 03 Arabic Language Skills

2Cr (2)

يُعنى المقرر بمهارات اللغة العربية الأساسية الضرورية لاستخدام اللغة وسيلة للتواصل والتوظيف داخل مجالات التخصص المختلفة، مع التركيز على المهارات التنظيمية والفكرية والأسلوبية واللغوية اللازمة في استعمال اللغة وظيفياً، خاصة ما تعرض منها لأخطاء شائعة في استخدامها، ويحتاج إلى تصويب من مستخدم اللغة.

Elective

ELC 01 the ethics of Dentistry

2 Cr

The purposes of this course are to provide students with knowledge of the evolution of dentistry, to acquaint students with the interrelationships of dentistry, medicine and science, and to acquaint students with dentistry's many contributions to human well-being

ELC 02 Forensic Dentistry

Gives the student the ability to have an idea about both dentistry & law and their relation

Infesice on the importance of taking mecords of patients & preserving them

How to identify the victims especially in mass disaster.

ELC 03 Dental Photography

This free course will cover all aspects of the use of digital photography in dental practice : intra-oral, Extra-oral, and portraits. Participants will be taken through photography, from the basics of choosing correct equipment and setting it up, to optimum settings, techniques for consistent imaging and the safe storage of images.



Basic Science Courses

CHM 111 Chemistry

This didactic and practical course includes the study of: the periodic table and its elements, Gas laws, liquid and solid states, Solubility and solutions, chemical equilibrium, Thermodynamics and Analytical Chemistry.

2 Cr (1,2)

CHM 122 Chemistry

The Course includes Organic Chemistry and Aromatic Compounds.

2 Cr (1,2)

BPH 111 Biophysics

This didactic and practical course includes the study of Electricity, Magnetism, Optics, Mechanics and Heat. The course will also deal with LASERS and Color.

3 Cr (2,2)

BOT 111, BOT 122 Botany & Genetics

This 2-semester (one year) course provides students with basic information about the principles of genetics at the molecular level with a special focusing on gene structure, function and regulation in addition to cancer as a consequence of mutations. The second part of the course provides students with basic information about the diversity of the structural, reproductive and nutritional features of the cellular forms of life. Representatives of sub-cellular life forms including gene and non-gene creatures are also considered. The practical study covers an introduction to plant anatomy, cell division and biodiversity.

each 2 Cr (1,2)

ZOL 111 ZOL 122 Zoology

This 2-semester (one year) didactic and practical course deals with the various branches of Zoology and the animal cells. Types of cell division, animal tissues, and the physiology of the various mammalian systems in addition to nutrition, digestion, respiration, circulation, and the nervous systems will also be studied.

2 Cr (1,2)

Pre-Clinical Medical Courses

BCM 112 Biochemistry

This didactic and practical course involves the study of the chemical and biochemical properties of carbohydrates, proteins, fats and amino acids.

2 Cr (1,2)

BCM 221 Biochemistry

The course includes details on carbohydrates, proteins, fats, amino acids, nucleic acids and enzymes, digestion and metabolism of the various nutritious elements.

2 Cr (2,2)

ANT 211, ANT 222 Human Anatomy

This didactic and practical course is divided into two sections. The first section contains an introduction to the anatomy of human body and its various systems, as well as embryology and development of the oral and maxillofacial region. The second section involves a detailed study of the anatomy of the head and neck including muscles, blood and nerve supply bone and lymphatic drainage. The course also includes the study of salivary glands, tongue as well as nasal and maxillary sinuses

each 3 Cr (2,2)

PHY 211, PHY 222 General Physiology

This didactic and practical course involves the study of the physiology of human cells and various systems as the circulatory, digestive, respiratory and muscular systems.

ach 3 Cr (2,2)

HST 211, HST 222 General & Systemic Histology

This two-semester (one-year) didactic and practical course involves the study of cells and their microstructures. The course also includes the study of the various tissues as the skin, membranes, cartilages, muscles, blood vessels blood and blood vessels. The course studies the tissues of various human body systems as nervous, circulatory, lymphatic, digestive, endocrine and urinary systems.

each 2Cr (1,2)



PTH 212 General Pathology**2 Cr (1,2)**

This course involves a study of the general pathology concepts, inflammation, degeneration and repair, neoplasia and others.

PTH 321 General Pathology**2 Cr (1,2)**

This course involves a study of the diseases of the various body systems as developmental, bone, circulatory, respiratory, digestive, endocrine, immune and nervous systems. Different types of tumors will also be discussed.

PHM 311 Pharmacology**2 Cr (1,2)**

This two-semester (one-year) course involves the basic pharmacology and a study of the effect of different drugs. The drugs include those for autonomic and central nervous systems, circulatory, respiratory, and digestive systems.

PHM 322 Pharmacology**2Cr (1,2)**

Emphasis on antibiotics, anti inflammatory, anti fungal and local drugs related to dental conditions will be made.

MCR 311 General Microbiology and Immunology**2 Cr (1,2)**

This is a two-semester (one-year) course. This course is involved with Bacterial structure, physiology and genetics as well as Viral structure and function. The course also includes Bacterial and viral diseases of the respiratory tract, skin, GI tract, UG tract. Included are: Innate and adaptive immunity, Immune responses to infection, immunodeficiency and autoimmunity. The course is designed to analyze major mechanisms of infectious disease and the resultant useful and harmful responses of the host. The focus is on understanding underlying processes using key example diseases to give depth for evaluating virulence mechanisms. This basic material will help students connect with future Pathology and clinical courses and locate and evaluate new information concerning past, present and future diseases.

MCR 322 Oral Microbiology and Immunology**2 Cr (2,1)**

The course starts with Analysis of microbial diseases and progresses through key viral diseases, candidacies, prior diseases ending with oral ecology/microbiology and periodontal diseases. Much of the material highlights mucosal spread of disease and mucosal diseases. There is special emphasis on plaque related microbial diseases.

Pre-Clinical Dental Courses**OBD 111, OBD 122 Dental Anatomy****each 3 Cr (1,4)**

This didactic and practical course includes lecture and laboratory sessions on the morphology and nomenclature of individual teeth of the adult dentition. It also involves an introduction to tooth histology and function, and the influence of tooth anatomy on clinical dental procedures.

The student will gain knowledge in the principles of dental anatomy. recognize the normal anatomic, physiologic, and biomechanical relationships of the dental structures for diagnosis and treatment of oral pathology as it involves the dentition, recognize the clinical significance and define the shape and contour relationships of the normal dentition, identify, describe, and be able to reproduce in drawings and wax, the morphology of permanent teeth from both an external perspective and a cross-sectional view, discuss the relationships between teeth and supporting structures, correctly name the individual parts of the permanent teeth and their supporting structures and correctly identify natural teeth with and without anatomical variations.



OB 212 Oral Biology & Embryology**3 Cr (2,2)**

The oral histology and embryology gives the students a thorough understanding of the microscopic structure of teeth and contiguous tissues and thereby provides an important source for decisions about dental treatments. The embryology segment gives the student an appreciation of the normal development of the major organ systems and some insight into the bases of craniofacial malformations.

OB 321 Oral Biology & Embryology**3 Cr (2,2)**

The oral histology and embryology gives the students a thorough understanding of the microscopic structure of teeth and contiguous tissues and thereby provides an important source for decisions about dental treatments. The embryology segment gives the student an appreciation of the normal development of the major organ systems and some insight into the bases of craniofacial malformations.

RDM 211 Dental Biomaterial**2Cr**

This one-semester didactic and tutorial course introduces the student to the basic properties of dental biomaterials. This includes the physical chemical and mechanical properties of metals, ceramics and polymers. The course deals as well with surface chemistry of materials and the wetting of various tooth surfaces by different liquids. The course includes a study of the properties of composites.

RDM 222 Dental Biomaterial**3 Cr**

This didactic and tutorial course will involve a study of the composition, properties and behavior of the various biomaterial systems that the dentist and dental technician use. Also detailed description of restorative materials, impression materials, denture base, as well as model materials will be given. Included will also be endodontic and implant materials.

RPR 311 Removable Prosthodontics**4 Cr**

This is a didactic and practical course that is divided into two parts. The first part involves complete denture construction while the second is concerned with removable partial dentures.

Complete denture construction

A study of maxillary and mandibular landmarks, impressions, impression trays and materials, jaw relations and face bows will be included.

The student will learn and train on how to construct an acrylic complete denture starting from mounting of the models on articulators, selection and setting of teeth, waxing, flasking, packing and curing of Poly Methyl methacrylate. The student will learn how to finish and polish flaked dentures. The course will also demonstrate and explain possible defects in cured dentures and how to avoid them. Repair and relining of dentures will also be included.

RPR-322 Removable Prosthodontics**4 Cr***Removable Partial Denture "RPD" construction.*

This is study of different types of metallic RPD's, their designs and the mechanical principles of designing. Fabrication of working models, duplication, waxing, investing and casting will also be studied.

FPR 311, FPR 322 Fixed Prosthodontic**each 2 Cr (2,2)**

The Preclinical Lecture and laboratory course is concerned with beginning to appreciate and recognize the principles and techniques of tooth preparation for fixed prosthodontics. It also acquaints and trains the students in the laboratory work and techniques required in the field prosthodontics.

RD 311, RD 322 Restorative Dentistry**3 Cr(1,4)**

Phantom lab course: Introduces processes of restoring diseased or damaged tooth structure to proper health, form, function and esthetics. Emphasis will be made on basic principles of cavity preparation, preparation



and restoration design, proper selection and use of restorative materials and clinical considerations for restorative treatment planning. Emphasis will be on one surface restoration.

The student will gain knowledge in Restorative dentistry techniques. The objectives will be for the student to be able to: use rubber dam, understand the basic principles of Restorative dentistry, demonstrate proper finger rests and force control using hand instruments and hand pieces, prepare occlusal, facial and lingual cavities using established principles of cavity preparation receiving necessary assistance, restore prepared cavities with dental amalgam, inlays, resin composite and glass ionomer materials receiving necessary assistance, perform cement basing and luting procedures and prepare and restore single surface cavities without faculty assistance. Students will apply previous procedures on Class II, III, IV, V and MOD preparations

RDE 312, RDE 421 Endodontics

each 2Cr (1,2)

Lecture component covers the biology, pathology, diagnosis, treatment, and outcome of dentin-pulp complex and pulpal-related periradicular pathology. Preclinical laboratory component covers endodontic treatment techniques on extracted teeth from different tooth groups as practice for clinical cases. Students will learn to deal with clinical procedures particular to endodontics, diagnosis and treatment of endodontic emergencies and surgical management of endodontic problems. The course introduces the basic techniques and hand skills required for beginning endodontic practice in the clinic. This course is the last preclinical. Areas of crown and bridge prosthodontics covered may include variations of tooth preparations, impression techniques, waxing, casting, soldering, ceramics, principles of occlusion, cementation of castings, pontic design and clinical orientation.

OPTH 311 Oral Pathology

3 Cr (2,2)

The course is dedicated to students beginning their clinical operative and prosthodontic work. Detailed pathogenesis of apical, periapical and bone lesions are given. There will be emphasis on the development of a meaningful clinical differential diagnosis and communication with other health professionals.

OPTH 322 Oral Pathology and Forensic Dentistry

3 Cr (2,2)

This course presents the etiology, pathogenesis, clinical and radiographic appearance, treatment, and histopathology of local and systemic diseases that affect the oral and Para oral tissues. It covers the five major categories of disease; developmental, inflammatory, metabolic, neoplastic and miscellaneous. Diseases from the different categories will be discussed in clinico-pathologic conferences. Emphasis will be given to the development of a meaningful clinical differential diagnosis and communication with other health professionals.

CD312 Dental Clinic Management & Infection Control

2Cr(1,2)

Student is introduced to exposure control in dental clinics, general and specific procedures. Student is also introduced to various clinic policies and emergency management

OR 411 Orthodontics

2Cr (1,2)

The course involves lecture/laboratory instruction and indications for, and techniques of, simple orthodontic tipping, rotational and extrusive movements often necessary in preparation for restorative and periodontal therapy. The student will gain knowledge in the basic principles of beginning adjunctive orthodontics. The student will be able to (1) obtain an accurate impression, (2) fabricate a diagnostic orthodontic study case, (3) describe the basic mechanical principles of orthodontic tooth movement, (5) construct a clinically acceptable guide plane appliance, (6) describe the appropriate use of removable appliances, (7) construct a clinically acceptable removable appliance, (8) describe the indication for the use of a "W" wire expander in correction of posterior cross bites, (9) construct a clinically acceptable "W" wire expander, (10) describe the difference between space maintenance and space regain and the use of the lingual arch for these two purposes, (11) construct a lingual arch, (12) place bonded brackets and (13) perform a molar up righting exercise.



OR 422 Orthodontics

2Cr (1,2)

This course will provide the student practical experience in the diagnosis and treatment of a limited orthodontic case under direct guidance of department faculty over two academic years. Students, working in pairs, are assigned a single limited treatment case that they are responsible for treating for a full-year year. Each student pair completes the diagnosis of malocclusion through clinical exams, study models, extra and intra-oral photographs and radiographs. The student team continues active clinical treatment in the management of a single tooth or segmental arch tooth movement utilizing orthodontic appliance therapy.

PDCD 511 Pediatric Dentistry

4 Cr (2,4)

First pre-clinical application of principles and techniques related to clinical care of children and adolescents. The course is devoted to fundamentals related to restorative and preventive techniques unique to children.

PDCD 522 Pediatric Dentistry

4Cr (2,4)

Course includes behavior management, diagnosis, prevention, dental anomalies, radiography, anesthesia, restorative procedures, pulp therapy, space maintenance, oral surgery for the primary dentition, and traumatic injuries in the primary and permanent dentitions.

At the completion of the course, the student will master the necessary information to provide treatment for patients in the primary, mixed, and early permanent dentitions in the Pediatric Dental Clinic.

Basic concepts of child development, principles of behavior management techniques used in pediatric dentistry and communication. At the completion of the course the student will have mastered the necessary information to provide dental treatment for children.

PI 411 Periodontology

2 Cr (1,2)

This course will prepare the student for clinical practice in the Faculty of Dentistry and as a beginning dentist. It will provide an understanding into the Epidemiology of the disease, the classification of periodontal disorders, and the pathogenesis of each in the context of the general dental practice. This course will integrate both the basic science and the clinical aspect of periodontal disease.

PI 422 Periodontology

2 Cr (1,2)

The primary objective is for the student to become proficient in screening for periodontal diseases, evaluating the periodontium, and recognizing and diagnosing periodontal diseases. Also, the student should become competent at managing cases exhibiting gingivitis and mild periodontitis. As a secondary objective, the student will

gain insight into the dental specialty of periodontics through exposure to a variety of procedures, including non-surgical and surgical therapy (via assisting). The ultimate goal is to enable the dental graduate to provide the highest level of periodontal care to patients through early recognition and prompt, appropriate treatment or referral of patients with periodontal disease.



Clinical Medical Courses

GMD 411, GMD 422 General Medicine, Dermatology & Venereal Diseases.

each 2 Cr (1,2)

This two-semester (one-year) clinical course is meant to teach the students the diagnosis and treatment of systemic diseases. Those include diseases of the circulatory, digestive, respiratory, nervous and endocrine systems. The course also includes skin diseases and skin manifestations of various diseases. Students will be able, at the end of this course, to know the oral manifestations of various diseases, the precautions needed to be taken during dental procedures for patients with certain systemic diseases, as well as the proper interpretation of laboratory findings & EKG's.

GSR411, GSR 422 General Surgery , E.N.T. & Ophthalmology

each 2 Cr (1,2)

This two-semester (one-year) clinical course addresses three major divisions:

1. General surgery, infection, wounds, burns, electrolytic balance, shock and blood transfusion. The course also includes neoplastic surgeries, surgeries of thyroid and salivary glands as well as emergency care.
2. Ear, nose and throat, surgery of the nasal sinuses,
3. Ophthalmology including eye surgeries and traumatic injuries as well as the relation between teeth and eye diseases

Clinical Dental Courses

RPR 431, RPR 442 Removable Prosthodontics

each 4 Cr (2,4)

In this clinical course, the student will be trained for proper diagnosis and treatment planning for complete and partially edentulous patients. The student will be trained to offer his patients complete and partial dentures as well as single dentures. Students will be required to make all laboratory steps for a certain number of those dentures. Students should be able to identify defects in the dentures prior to, as well as, following delivery of the dentures. Students will learn how to repair, reline and add to, existing dentures. Students will learn how to make obturators and prosthesis for patients undergoing maxillofacial surgeries

RPR 511, RPR 562 Removable Prosthodontic

each 4Cr (2,4)

This course leads to a professional degree in dentistry. Experiences attained to start this level of patient treatment bring the student to a point of self assessment. The overall abilities should also show the formation of the student's progress towards competency

FPR 431, FPR 442 Fixed Prosthodontics

each 2 Cr (1,3)

The student will gain knowledge in the planning and restoration of missing teeth with fixed prostheses, planning and designing for restoration of endodontically treated teeth. Course objectives include the ability to design, prepare and restore a dentoform and natural endodontically treated tooth. Prepare two abutments for retainers of a three-unit fixed prosthesis replacing a single molar tooth, fabricate an appropriate provisional restoration, obtain impression, working cast and complete selected laboratory procedures including cast and soldered rigid connectors.

Prepare two posterior teeth and one anterior tooth for partial veneer restorations

The restoration of endodontically- treated teeth, preparation of multiple abutments for fixed prostheses, preparation of teeth for partial veneer crowns for single or multiple unit prostheses, selection and use of rigid and non-rigid connectors in fixed prostheses, and general fundamentals in treatment planning for fixed prostheses.

Be familiar with the indications, materials selection, and fabrication of esthetic veneer restorations for fixed prostheses

Know the different designs of resin-bonded ultraconservative prostheses and resin or ceramic veneered fixed prostheses

Understand color and its' application to esthetic restorations



FPR 551, FPR 562 Fixed Prosthodontics**3 Cr [1,4]**

Clinical training in fixed prosthodontics will be achieved in this course, including diagnosis and treatment planning, occlusal analysis and treatment emphasizing multidisciplinary coordination, and writing appropriate instructions for commercial laboratories. The student will apply his phantom lab training clinically. In addition, proper occlusal registration, diagnostic wax-ups, and the use of semi-adjustable articulators and face bows will be included. Proper fabrication of temporaries will be learnt.

RD 431 Restorative Dentistry**3Cr [1,4]**

Continuation of RD 311 RD 322 to build on material covered. Objectives for the earlier course continue to be in effect, and are included in material expected to be mastered by students.

RD 442 Restorative Dentistry**3 Cr [1,4]**

The student is responsible for the diagnosis, treatment plan and treatment of the dental needs of each patient assigned to him/her. The clinical experience is geared as near as possible to that of a private general dental practice. Emphasis is placed on the student's performance relative to professionalism, technical skills and ability to provide quality care in a timely manner

RD 551, RD 562 Restorative Dentistry**3Cr [1,,4]**

The student will gain knowledge in the principles of restorative treatment planning according to the needs of each patient, formulate a treatment plan in association with other dental specialties, provide antibiotic coverage for infection encountered during the examination if necessary, make appropriate radiographs to adequately assess the dental needs of each patient, and make impressions and fabricate diagnostic casts on appropriate patients. The student will also be trained to spare his patient the feeling of any unnecessary pain during the preparation of cavities. Knowledge on how to deal with deep cavities badly destructed and endodontically treated teeth will also be gained at the end of this course. Students will be required to do amalgam, composite resin and glass ionomer restorations. Proper use and understanding of dentin bonding agents will be emphasized

RDE 432, RDE 541 RDE 552 Endodontics**each 2 Cr [1,2]**

In this clinical course, the student is required to complete endodontic treatment of anterior, premolar, and molar teeth. In addition to non surgical treatment of several endodontic cases, the student assists in an endodontic surgery.

The student will gain knowledge and experience of endodontic treatment. The objectives are for the student to be able to differentiate between signs and symptoms caused by pulpal or periapical pathosis and those caused by other forms of orofacial pathosis, determine the cause of pulpal or periapical pathosis, select and carry out appropriate treatment, and estimate the prognosis, complete, at a clinically acceptable level, those clinical procedures which are consistent with her/his experience level, identify those factors which affect the complexity of treatment in each endodontic case and distinguish between those cases which are within her/his ability to manage effectively and those which should be referred to practitioners who can more appropriately provide for the care of the patient accurately. Students will be able to critique completed clinical procedures

OMR 312 Dental Radiology**2 Cr**

This course will orient the student to the basic principles of radiology that are required of all radiation workers using x-radiation. The course will also train the student for the radiographic interpretation of common oral diseases. It is an introductory didactic course that will begin the process of providing the knowledge and understanding of radiology. It will train the student to become a competent operator of dental x-ray machines with the ability to produce the highest quality diagnostic radiographs with the minimum amount of radiation.

The radiographic interpretation component of the course will introduce the student to the areas of interpretation principles, dental caries, periodontal diseases, periapical inflammatory lesions, basic analysis of intra osseous lesions and radiographic features of benign and malignant lesions.



OMD 411 Oral Medicine & Diagnosis**3 Cr [2, 2]**

The course enables students to obtain, interpret, and record a comprehensive medical and dental history and to safely manage medically and pharmacologically complex patients. Students are taught to perform thorough head and neck and intra-oral examinations, recognize abnormal clinical findings, and obtain appropriate laboratory tests. Students also learn to identify and manage common medical emergencies. Students receive instruction in ionizing radiation and learn to obtain and interpret common radiographic images to recognize normal anatomic landmarks and the appearance of periodontal disease and dental caries.

The clinical phase of this course enables the student to properly fill patients' records. Students will work on each other then on patients under supervision.

OMD 422 Oral Medicine**2 Cr [1,2]**

The Oral Medicine course provides comprehensive instruction in the areas of oral and physical diagnosis, oral and maxillofacial radiology, oral pathology, clinical pharmacology and medical emergencies.

The course also covers the etiology, pathogenesis, and classic radiographic and clinic appearances of a variety of developmental abnormalities and pathological conditions of the jaws, teeth, the sinuses, and the salivary glands.

OS 411 Local Anesthesia & pain control**2Cr [1,2]**

This course addresses Pharmacology, Anatomy, and Techniques of local anesthesia. The student will gain knowledge and skills in the administration of local Anesthesia. The student will be able to describe: the innervations of the oral-facial region, associated anatomic structures, physiology of nerve conduction, pharmacodynamics and metabolism of local anesthetics and to describe common techniques of local anesthesia delivery (e.g., oral, inhalation, intravenous) and acute pain control.

The student will gain knowledge in the psychological impact of dental fear and how to recognize it, the continuum of depressed levels of consciousness (e.g., conscious sedation, general anesthesia), and the criteria used for selecting appropriate dental patients for sedation. Students will perform local anesthesia administration on each other under supervision.

PI 531, PI 542 Periodontology**each 2 Cr (1,2)**

The course aims at establishing instructive information, knowledge and skills necessary for effectively diagnosing, surgically & non-surgically treating patients suffering from periodontal diseases.

OMD531, OMD 542 Oral medicine**each 2 Cr (1,2)**

The course aims at establishing knowledge and skills for Oral manifestations of skin diseases, Pigmented lesions of the oral cavity, sexually transmitted diseases, and their differential diagnosis. Ulcerative, erosive and bullous lesions of the oral cavity and their differential diagnosis.

OS 422 Oral Exodontia**2 Cr (1,2)**

This course designed for remaining root, surgical extraction of teeth and its complication

OS 531 Oral & Maxillofacial Surgery & Dental Implants**3 Cr [2, 2]**

This course is designed to teach the students the basics of oral surgical procedures. Students will learn all about extraction forceps and elevators, extraction techniques, disinfection and infection control, pre and post operative care. The course will also involve removal of remaining roots, and surgical extraction of impacted teeth. The course will also involve pre-prosthetic surgeries, patient preparation for general anesthesia, and fractures of the jaws.

OS 542 Oral & Maxillofacial Surgery & General Anaesthesia**3 Cr [2,2]**

The course will introduce the students to the scope of maxillofacial surgery. Management of traumatic injuries to the maxillofacial region and surgical management of maxillofacial pathology and bone grafting will be explained.



PDCD 531, PDCD 542 Community Dentistry

each 2 Cr [1,2]

This course involves the understanding of epidemiology, dental caries prevalence and index, periodontal disease prevalence and index. The course also includes the objectives of oral health and prevention of dental caries and periodontal diseases.

This course also deals with the principles of statistical analysis and its applications in dental research. The objective of this course is to help the students understand information included in dental courses as well as in research papers they are assigned to read.

