



**Jordan University of Science and Technology**  
**Faculty of Dentistry**

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**Curriculum for the Bachelor degree in Dental Surgery 2019**

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### Faculty vision:

The **vision** of the Faculty of Dentistry at Jordan University of Science and Technology is to be a universally acknowledged institution in dental education, research and patient care.

### Faculty mission:

The **mission** of the Faculty of Dentistry is to have an internationally recognized impact on oral health education, research and dental health care by providing excellent education to the undergraduate and postgraduate students and dental professionals throughout their careers. Our educational environment promotes active co-operative learning in context. We have informed and will continue to inform dentistry nationally and internationally through our basic and applied research. Through these endeavors, we aim to provide leadership to the health professions and the community. Our mission serves as the foundation of our commitment to providing quality dental education and service to our community.

### Faculty objectives:

The primary **objective** of the Faculty of Dentistry is to remain a nationally and internationally recognized leader of academic excellence in the areas of research, oral health education, training and practice:

1. To pursue excellence in research, both basic and applied, in which the encouragement of individual endeavors is complemented by the development of productive collaborative research groups both within the Faculty and University limits and internationally.
2. To provide an environment, accessible to all sectors of the community, for the provision of the highest quality undergraduate and postgraduate education and training in the disciplines of Dentistry, Dental assisting and dental technology in cooperation with Faculty of Applied Medical Sciences.

3. To provide clinical expertise, consultative advice and first-class clinical services to the people of Jordan, nationally, and - in some disciplines - internationally.
4. Foster interdisciplinary cooperation and achievements within the Faculty and with the other faculties at the University, with various teaching hospitals, research institutes, the industrial sector and international academic institutions.
5. Generation of knowledge and understanding of the scientific basics of modern dentistry, through excellence in research-informed teaching and continuous efforts to improve quality.
6. Provision of an academic and clinical environment for the progressive development of all the disciplines within the Faculty.
7. The personal development of all staff members, based on equity and justice.

#### **Job opportunities for dental graduates:**

The faculty qualifies graduates to work as dentists in universities, ministry of health, royal medical services, and private sector.

## Curriculum for the Bachelor Degree in Dental Surgery

### Numbering and coding system of the curriculum courses.

For designation of courses, A special coding system is used. Each course has a code that consists of the word “DENT” followed by three digits number as shown in the following table:

Faculty	Level/year	Field	Sequence
DENT	x	y	z

## Course Numbering

Based on the above, dental courses codes will be in the form DENTxyz

- The courses are tabled and numbered in such a manner to recognize each course regarding its year or level, subject area, and semester offered.
- The symbol (Dent xyz) denotes Faculty of Dentistry and (xyz) is a 3-digits number.
  - A. The first digit (x) denotes the year level of the course according to student's study plan as follows:

Code	Level/year
1	First year
2	Second year
3	Third year
4	Fourth year
5	Fifth year

B. The second digit (y) denotes the field of the course as follows:

Second number	Specialization
0	Basic Dental Sciences
1	Joined Theoretical courses
2	Joined Clinical/Practical courses
3	Paediatric Dentistry
4	Conservative Dentistry
5	Oral Medicine/Oral Pathology/Oral Radiology/Oral Diagnosis
6	Prosthodontics
7	Periodontics
8	Oral and Maxillofacial Surgery
9	Orthodontics

- C. The third digit (z) denotes for the semester in which the course is undertaken according to the study plan. Odd numbers denotes for first semester whereas even numbers denotes for second or summer semester.

Example: Dent 533

Dent	5	3	3
Faculty of Dentistry	Level (fifth year)	Field (Paediatric Dentistry)	Sequence (1 <sup>st</sup> semester)

A Bachelor Degree in Dental Surgery (B.D.S.) at JUST is awarded in accordance with the statute stated by JUST regulations (adjusted) for awarding issued by the Deans' Council based on the 1987 law for awarding scientific degrees and certifications at JUST, and after the successful completion of 210 credit hours, distributed as indicated in the following table.

**Table (1): Distribution of Dentistry program Credit hours**

Classification	Credit Hours				
	Compulsory	Elective	Theoretical	Practical	Total
University Requirements	16	9	25	0	25
Basic Science Requirements (from Faculty of Science and Art)	11	-	10	1	11
Requirements from Faculty of Medicine	51	-	46	5	51
Requirements from the Faculty of Dentistry	123	-	55	68	123
Total	201	9	136	74	210



**A. University Requirements (25 Credit Hours):** apply to all students accepted in program from and after the beginning of the academic year 2016/2017. Students who commenced their study before the academic year 2016/2017 follow their earlier study plan.

**1. Compulsory University Requirements: (16 Credit Hours)**

Course No.	Course title	Credit hours	Theoretical	Practical	Pre-requisite
HSS110	SOCIAL RESPONSIBILITY	3	2	1	
ARB101	ARABIC LANGUAGE	3	3	-	
MS100	MILITARY SCIENCES	3	3	-	
HSS129	GENERAL SKILLS	2	2	-	LG 112
LG112	ENGLISH LANGUAGE (2)	3	3	-	Passing LG 099 or passing English Language Placement Test with a grade > 50%.
HSS119	Entrepreneurship and innovation	2	2	-	

- I. Non-Jordanian students may take an alternative course for the military science course from the elective courses of the university and prove the results of the military science course for all students PASS/FAIL basis until the end of the summer semester 2016/2017. With included points in the calculation of (GPA) for students accepted from the start of the academic year 2017/2018
- II. All non-Arabic speaking international students in the University are required to study tow courses as shown below:

Course No.	Course title	Credit hours	Pre-requisite
ARB 101A	Fundamentals of Arabic Language (for non-Arabic speaking students)	3	-
HSS110A	Social responsibility in English language	3	-

**2. Elective courses: (9) credit hours** Students choose one course from each of the following three groups (all these requirements are considered to be of the first year regardless of the course number)

:

<b>The first group : Human knowledge</b>				
Course No.	Course Title	Credit Hours		
		Theoretic	Lab	Total
ARB200	APPRECIATION OF LITERARY TEXTS	3	3	-
HSS115	ISLAM AND RECENT PROBLEMS	3	3	-
HSS116	ECONOMIC SYSTEM IN ISLAM	3	3	-
HSS121	PRINCIPLES OF SOCIOLOGY	3	3	-
HSS126	PRINCIPLES OF PSYCHOLOGY	3	3	-
HSS127	EDUCATIONAL TECHNOLOGY	3	3	-
HSS131	ISLAMIC CIVILIZATION	3	3	-
HSS132	THE HISTORY OF THE CITY OF JERUSALEM	3	3	-
HSS133	CIVILIZATION AND RECENT CULTURES	3	3	-
HSS135	ISLAMIC CULTURE	3	3	-
HSS137	HUMAN RIGHTS	3	3	-
HSS161	CONTEMPORARY PROBLEMS	3	3	-

HSS211	SOCIOLOGY	3	3	-
HSS213	INDIVIDUAL AND SOCIETY	3	3	-
HSS231	HISTORY OF SCIENCES IN ISLAM	3	3	-
HSS 251	MUSIC TASTING	3	3	-

**The second group : Scientific and agricultural knowledge**

ES103	ENVIRONMENT PROTECTION (FOR NON ENVIRONMENTAL SCIENCES STUDENTS)	3	3	-
ME102	INTRODUCTION TO RENEWABLE ENERGY (FOR NON ME STUDENTS)	3	3	-
CHE191	INTRODUCTION TO NANOTECHNOLOGY	3	3	-
NF177	FOOD PRESERVATION "IN ENGLISH"(FOR NON NUTRITION&FOOD TECHNOLOGY STUDENTS)	3	3	-
AP200	FARM ANIMAL PRODUCTS AND PRODUCTION (FOR NON AGRICULTURE AND VETERINARY)	3	3	-
PP200	HOME GARDENS (FOR NON AGRICULTURE STUDENTS)	3	3	-
PP201	BEE KEEPING (FOR NON AGRICULTURE STUDENTS)	3	3	-
NR 200	NATURAL RESOURCES AND MAN( FOR NON AGRICULTURE STUDENTS)	3	3	-
NR 207	EARTH PROBLEMS AND SOLUTIONS (FOR NON AGRICULTURE STUDENTS)			
PP202	NATURAL PLANTS OF JORDAN (FOR NON AGRICULTURE STUDENTS)	3	3	-
NE 200	PRINCIPLES IN NUCLEAR ENERGY AND ITS PEACEFUL APPLICATIONS			

**The third group : Health knowledge**

NUR100	HEALTH PROMOTION( NON MEDICINE ,NURSING AND MIDWIFERY)	3	3	-
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<b>NUR109</b>	<b>FAMILY HEALTH( NON MEDICINE ,NURSING AND MIDWIFERY)</b>	3	3	-
<b>PH104</b>	<b>COMMUNITY HEALTH AND NUTRITION( NON MEDICINE ,NURSING AND MIDWIFERY)</b>	3	3	-
<b>VM211</b>	<b>ANIMAL-HEALTH (FOR NON VETERINARY AND AGRICULTURE STUDENTS)</b>	3	3	-
<b>VM212</b>	<b>PET ANIMAL CARE(FOR NON VETERINARY STUDENTS)</b>	3	3	-
<b>VM213</b>	<b>ANIMAL BEHAVIOUR AND WELFARE(FOR NON VETERINARY STUDENTS)</b>			
<b>VM214</b>	<b>ANIMAL PRODUCTS AND PUBLIC HEALTH (FOR NON VETERINARY STUDENTS)</b>			
<b>P.T100</b>	<b>WELLNESS&amp; LIFESTYLE (NOT FOR PHYSICAL &amp; OCCUPATIONAL THERAPY)</b>	3	3	-
<b>O.T100</b>	<b>DISABILITY AND THE SOCIETY (NOT ALLOWED FOR REHABILITATION SCIENCE DEP.STUDENTS)</b>			

## **A. . Faculty Requirements**

### **I. Faculty of Science and Art Requirements (11 credit hours) distributed as follows:**

Course No.	Course Title	Credit Hours		
		Total	Theory	Practical
PHY104	MEDICAL PHYSICS	3	3	0
BIO104	GENERAL BIOLOGY	3	3	0
BIO108	GENERAL BIOLOGY(PRACTICAL)	1	0	1
CHEM108	GENERAL AND ORGANIC CHEMISTRY	4	4	0
TOTAL		11	10	1

## II. Faculty of Medicine Requirements: (51 credit hours) distributed as follows:

Course No.	Course Title	Credit Hours		
		Total	Theory	Practical
MED173	INTRODUCTION TO MEDICINE & MEDICAL TERMINOLOGY	4	4	0
MED115	ANATOMY& EMBRYOLOGY	3	2	1
MED114	CELL BIOLOGY & HISTOLOGY	3	2	1
MED222	BIOCHEMISTRY	3	3	0
MED 132	GENERAL PHYSIOLOGY	3	3	0
MED183	INTRODUCTION TO RESEARCH AND EVIDENCE BASED MEDICINE	3	3	0
MED 211A	Molecular Genetics	3	3	0
MED 217A	Head and Neck Anatomy	3	3	0
MED 217B	Head and Neck Anatomy Lab	1	0	1
MED 231	General Pathology	3	2	1
MED232	Immunology	3	3	0
MED 351	General Pharmacology	3	3	0
MED 265	General Microbiology	3	2	1
MED314	Clinical Psychology	3	3	0
MED 315	Systemic Pathology	3	3	0

MED 323	Basic Emergency Care	1	1	0
MED 373	General Internal Medicine	2	2	0
MED374	General Surgery & Anesthesia	2	2	0
MED 391	Biostatistics	2	2	0
<b>Total</b>		<b>51</b>	<b>46</b>	<b>5</b>

### III. Faculty of Dentistry Requirements: (123 Credit Hours) distributed as follows:

Course No.	Course Title	Credit Hours		
		Total	Theory	Practical
Dent 201	Dental Anatomy and Occlusion	3	1	2
Dent 202	Oral Physiology	1	1	0
Dent 204	Oral Histology and Embryology	4	2	2
Dent 240	Fundamentals of Dental Caries	1	1	0
Dent 250	Oral Radiology I	1	1	0
Dent 311	Basic Infection Control Measures	1	1	0
Dent 315	Dental Ethics and Jurisprudence	1	1	0
Dent 317	Dental Therapeutics	1	1	0
DENT320	Introduction to Clinical Dentistry	1	0	1
DENT 330	Paediatric Dentistry I	2	1	1
Dent 341	Dental Materials I	2	2	0
DENT 342	Dental Materials II	1	1	0
Dent 343	Operative Dentistry	3	1	2
DENT344	Endodontics	3	1	2
DENT 350	Oral Diagnosis	1	1	0
Dent 351	Oral Radiology II	2	2	0
DENT 352	Preclinical Oral Diagnosis and Oral Radiology	1	0	1
Dent 355	Oral Pathology I	3	2	1

DENT 356	Oral Pathology II	3	2	1
Dent 361	Removable Prosthodontics I	3	1	2
DENT362	Removable Prosthodontics II	3	1	2
DENT370	Periodontology I	2	1	1
Dent 381	Dental Anesthesia and Sedation	1	1	0
Dent 411	Oral Epidemiology	1	1	0
DENT412	Preventive Dentistry	2	0	0
DENT420	Comprehensive Dental Care I	5	0	5
Dent 431	Paediatric Dentistry II	2	1	1
DENT432	Paediatric Dentistry III	2	1	1
Dent 445	Conservative Dentistry I	4	1	3
DENT446	Conservative Dentistry II	3	1	2
Dent 453	Clinical Oral Diagnosis/Clinical Oral Radiology I	1	0	1
DENT454	Clinical Oral Diagnosis/ Clinical Oral Radiology II	1	0	1
DENT456	Oral Medicine I	1	1	0
Dent 463	Removable Prosthodontics III	3	1	2
DENT464	Removable Prosthodontics IV	2	1	1
Dent 465	Fixed Prosthodontics	1	1	0
DENT466	Pre-clinical Fixed Prosthodontics I	2	0	2
Dent 471	Periodontology II	2	1	1
DENT472	Periodontology III	2	1	1
Dent 483	Oral Surgery I	2	1	1
DENT484	Oral Surgery II	2	1	1
Dent 491	Orthodontics I	2	1	1
Dent 492	Orthodontics II	2	1	1

Dent 513	Research Project	2	1	1
DENT516	Dental Practice Management	1	1	0
DENT518	Oral Implantology	1	1	0
Dent 521	Comprehensive Dental care II	2	0	2
DENT522	Comprehensive Dental care III	2	0	2
DENT524	Community Dentistry	3	1	2
Dent 533	Paediatric Dentistry IV	2	1	1
DENT534	Paediatric Dentistry V	1	0	1
DENT540	Aesthetic Dentistry	1	1	0
Dent 547	Conservative Dentistry III	3	1	2
DENT548	Conservative Dentistry IV	2	0	2
Dent 555	Oral Medicine II	2	1	1
DENT556	Oral Medicine III	1	0	1
Dent 567	Prosthodontics I	3	1	2
DENT568	Prosthodontics II	2	0	2
Dent 573	Periodontology IV	2	1	1
DENT574	Periodontology V	1	0	1
Dent 585	Oral and Maxillofacial Surgery I	2	1	1
DENT586	Oral and Maxillofacial Surgery II	2	1	1
Dent 593	Orthodontics III	1	0	1
Dent 594	Orthodontics IV	1	0	1
<b>Total</b>		<b>123</b>	<b>56</b>	<b>67</b>



## Study Plan

FIRST YEAR													
First semester						Second semester							
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite	Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab						Lecture	Lab		
Phyl04	Medical physics	3	3	0			Med 115	Anatomy and embryology	2	1	0		
Med173	Introduction to medicine& medical terminology	4	4	0			Med 114	Cell biology& histology	3	2	1		
Bio 104	General biology	3	3	0			Med 222	Biochemistry	3	3	0		
Bio 108	General biology(practical)	1	0	3			Med 132	General physiology	3	3	0		
Chem 108	General and organic chemistry	4	4	0			Med 183	Introduction to research and evidence based medicine	3	3	0		
<b>Total</b>		<b>15</b>	<b>14</b>	<b>3</b>			<b>Total</b>		<b>15</b>	<b>13</b>	<b>2</b>		

FIRST YEAR						
Summer semester						
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab		
	University Elective	3	3	0		
Hss 110	Social responsibility	3	2	1		
Lg 112	English language(2)	3	3	0	L g 99	
<b>Total</b>		<b>9</b>	<b>8</b>	<b>1</b>		

SECOND YEAR													
First semester						Second semester							
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite	Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab						Lecture	Lab		
Med 211	Molecular Genetics	3	3	0			Med 232	Immunology	3	3	0		
Med 217A	Head and Neck Anatomy	3	3	0			Med 351	General Pharmacology	3	3	0		
Med 217B	Head and Neck Anatomy Lab	1	0	3			Med 314	Clinical Psychology	3	3	0		
Med 231	General Pathology	3	2	3			Med 315	Systemic Pathology	3	3	0		
Med 265	General Microbiology	3	2	3			Dent 202	Oral Physiology	1	1	0		
Dent 201	Dental Anatomy and Occlusion	3	1	4			Dent 204	Oral Histology and Embryology	4	3	2		
HSS129	GENERAL SKILLS	2	2	0	L g 112		Dent 240	Fundamentals of Dental Caries	1	1	0		
							Dent 250	Oral Radiology I	1	1	0		
<b>Total</b>		<b>18</b>	<b>13</b>	<b>13</b>			<b>Total</b>		<b>19</b>	<b>18</b>	<b>2</b>		

SECOND YEAR						
Summer semester						
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab		
Med 373	General Internal Medicine	2	2	0		
Med 374	General Surgery and Anaesthesia	2	2	0		
Med 323	Basic Emergency Care	1	1	0		
HSS119	ENTREPRENEURSHIP AND INNOVATION	2	2	0		
	University Elective	3	3	0		
<b>Total</b>		<b>10</b>	<b>10</b>	<b>0</b>		

THIRD YEAR													
First semester						Second semester							
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite	Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab						Lecture	Lab		
Dent 311	Basic Infection Control Measures	1	1	0			Dent 330	Paediatric Dentistry I	2	1	2		
Dent 315	Dental Ethics and Jurisprudence	1	1	0			Dent 342	Dental Materials II	1	1	0		
Dent 317	Dental Therapeutics	1	1	0			Dent 344	Endodontics	3	1	4		
Dent 341	Dental Materials I	2	2	0			Dent 350	Oral Diagnosis	1	1	0		
Dent 343	Operative Dentistry	3	1	4			Dent 352	Preclinical Oral Diagnosis and Oral Radiology	1	0	2		
Dent 351	Oral Radiology II	2	2	0			Dent 356	Oral Pathology II	3	2	2		
Dent 355	Oral Pathology I	3	2	2			Dent 362	Removable Prosthodontics II	3	1	4		
Dent 361	Removable Prosthodontics I	3	1	4			Dent 370	Periodontology I	2	1	2		
Dent 381	Dental Anesthesia and Sedation	1	1	0			Med 391	Biostatistics	2	2	0		
<b>Total</b>		<b>17</b>	<b>12</b>	<b>10</b>			<b>Total</b>		<b>18</b>	<b>10</b>	<b>16</b>		

THIRD YEAR						
Summer semester						
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab		
	University Elective	3	3	0		
ARB101	ARABIC LANGUAGE	3	3	0		
MS 100	Military sciences	3	3	0		
Dent 320	Introduction to Clinical Dentistry	1	0	2		
<b>Total</b>		<b>10</b>	<b>9</b>	<b>2</b>		

FOYRTH YEAR													
First semester						Second semester							
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite	Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab						Lecture	Lab		
Dent 411	Oral Epidemiology	1	1	0			Dent 412	Preventive Dentistry	2	2	0		
Dent 431	Paediatric Dentistry II	2	1	2			Dent 432	Paediatric Dentistry III	2	1	2		
Dent 445	Conservative Dentistry I	4	1	6			Dent 446	Conservative Dentistry II	3	1	4		
Dent 453	Clinical Oral Diagnosis/Clinical Oral Radiology I	1	0	2			Dent 454	Clinical Oral Diagnosis/ Clinical Oral Radiology II	1	0	2		
Dent 463	Removable Prosthodontics III	3	1	4			Dent 456	Oral Medicine I	1	1	0		
Dent 465	Fixed Prosthodontics	1	1	0			Dent 464	Removable Prosthodontics IV	2	1	2		
Dent 471	Periodontology II	2	1	2			Dent 466	Pre-clinical Fixed Prosthodontics I	2	0	4		
Dent 483	Oral Surgery I	2	1	2			Dent 472	Periodontology III	2	1	2		
Dent 491	Orthodontics I	2	1	2			Dent 484	Oral Surgery II	2	1	2		
							Dent 492	Orthodontics II	2	1	2		
<b>Total</b>		<b>18</b>	<b>8</b>	<b>20</b>			<b>Total</b>		<b>19</b>	<b>9</b>	<b>20</b>		

FOYRTH YEAR						
Summer semester						
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab		
Dent 420	Comprehensive Dental Care I	5	0	10		
<b>Total</b>		<b>5</b>	<b>0</b>	<b>10</b>		



FIFTH YEAR													
First semester						Second semester							
Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite	Course No.	Course name	Total credits	Weekly hours		Prerequisite	Corequisite
			Lecture	Lab						Lecture	Lab		
Dent 518	Oral Implantology	1	1	0			Dent 516	Dental Practice Management	1	1	0		
Dent 521	Comprehensive Dental care II	2	0	4			Dent 513	Research Project	2	1	2		
Dent 533	Paediatric Dentistry IV	2	1	2			Dent 522	Comprehensive Dental care III	2	0	4		
Dent 547	Conservative Dentistry III	3	1	4			Dent 524	Community Dentistry	3	1	4		
Dent 555	Oral Medicine II	2	1	2			Dent 534	Paediatric Dentistry V	1	0	2		
Dent 567	Prosthodontics I	3	1	4			Dent 540	Aesthetic Dentistry	1	1	0		
Dent 573	Periodontology IV	2	1	2			Dent 548	Conservative Dentistry IV	2	0	4		
Dent 585	Oral and Maxillofacial Surgery I	2	1	2			Dent 556	Oral Medicine III	1	0	2		
Dent 593	Orthodontics III	1	0	2			Dent 568	Prosthodontics II	2	0	4		
							Dent 574	Periodontology V	1	0	2		
							Dent 586	Oral and Maxillofacial Surgery II	2	1	2		
							Dent 594	Orthodontics IV	1	0	2		
<b>Total</b>		<b>18</b>	<b>7</b>	<b>22</b>			<b>Total</b>		<b>19</b>	<b>5</b>	<b>28</b>		



Course Credit hours 1 (1 Theory, 0 practical)

Course Description Introduction to dental caries, classification of dental caries, etiology of dental caries, microbiology of dental caries, epidemiology of dental caries, sugars substitutes, saliva and dental caries, dental plaque, diet nutrition and dental caries. The most recent research concerned with diagnosis and prevention of dental caries.

**Title Oral Radiology 1, Dent 250**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description Basic principles of X ray generation, and the different radiological devices used in the dental clinic. Knowledge of the principles and practice of intra-oral radiography. The knowledge of the principles and practice of intra-oral radiography and the radiological appearance of normal tissues

**Title Basic Infection Control, Dent 311**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description Achieve competency in dental infection control and safety principles; Provide the latest information on the implementation and management of effective infection control and occupational health and safety programs for dental settings emphasizing infectious diseases and occupational risks associated with dentistry; Achieve a consistent level of competency among dental students.

**Title Dental Ethics and Jurisprudence, Dent 315**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description The ethical and legal obligations of the dentists to the community and public.

**Title Dental Therapeutics, Dent 317**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description Prescribing for dental patients with various medical conditions. Anti-infective agents of use in dental practice, Drugs acting on the oral tissues, Haemostasis pharmacology, Drugs used for pain and anxiety management

**Title Introduction to Clinical Dentistry, Dent 320**

Course Credit hours 1 (0 Theory, 1 Clinical)

Course Description First clinical component in the study plan. Introduction to the clinics and dental examination, basic concepts of infection control, clinical application of dental materials, impression taking, dentist and patient positioning, record keeping and administration of local anesthesia.

**Title Paediatric Dentistry 1, Dent 330**

Course Credit hours 2 (1 Theory, 1 practical)

Course Description Introduction to the scope of paediatric dentistry including clinical examination, diagnosis and treatment planning of dental problems in children, common oral problems in children and theories of occlusal development, restorative treatment in children and pulp therapy.

Pre-clinical component include patient examination, radiographic assessment and treatment planning, record keeping, aspects of restorative dentistry in primary teeth, pulp therapy in primary teeth.

**Title Dental Materials 1, Dent 341**

Course Credit hours 2 (2 Theory, 0 practical)

Course Description The science of dental materials used in the dental procedures. Basics of dental materials' science including composition, chemical, physical, mechanical and handling characteristics. Dental materials used in conservative dentistry and fixed and removable Prosthodontic.

**Title Dental Materials 2, Dent 342**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description Continuation of dental materials I. Dental materials used in endodontics, crown and bridge restorations, dental implant materials and preventive dental materials. Introduction to advances in dental materials.

**Title Operative Dentistry, Dent 343**

Course Credit hours 3 (1 Theory, 2 practical)

Course Description Basic cognitive knowledge of the principles, terminology, instruments, materials and techniques utilized in the practice of Operative Dentistry. Initial experience in the application of restorative procedures for managing the carious process on phantom heads. Clinical exercises utilizing current instrumentation, materials, and techniques.

**Title** **Endodontics, Dent 344**

Course Credit hours 3 (1 Theory, 2 practical)

Course Description Basic theory and practice of endodontic therapy. Topics include pulp canal anatomy and the techniques, materials and instruments used to clean, shape, and obturate root-canal spaces.

**Title** **Oral Radiology 2, Dent 351**

Course Credit hours 2 (2 Theory, 0 practical)

Course Description Basic and practical account of the extra oral radiography. Diagnosis of radiolucent and radiopaque lesions of the jaws, antral disease, trauma to the teeth and facial skeleton, disorders of the salivary glands, oral and perioral cysts, benign tumors, radiology of malignant tumors and dysplastic diseases. Training on paralleling technique, occlusal radiography, panoramic radiography, automatic processing, loading cassettes, troubleshooting and quality assurance.

**Title** **Oral Diagnosis, Dent 350**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description Introduction to the process of the history taking, charting symbols, applied anatomy, intra oral examination, teeth examination, diagnostic tests, guidelines for prescribing radiographs, diagnosis of dental pain, diagnosis of ulcers, diagnosis of white lesions, and diagnosis of head and neck swellings.

**Title** **Preclinical Oral Diagnosis and Oral Radiology, Dent 352 1** (0 Theory, 1 practical)

Tutorials and pre-clinical training in history taking, dental charting , applied anatomy, intra-oral examination, dental examination, diagnostic tests, guidelines for prescribing radiographs, diagnosis of dental pain, diagnosis of ulcers, diagnosis of white lesions, diagnosis of head and neck swellings, training in intra-oral and extra-oral radiography.

**Title** **Oral Pathology 1, Dent 355**

Course Credit hours 3 (2 Theory, 1 practical)

Course Description Introduction to basic knowledge in the pathogenesis, clinical features and basic radiographic features of diseases affecting the Oral and Maxillofacial region, which include developmental conditions, cysts of the oral region, infections of teeth and bone, bone lesions and soft tissue lesions. Problem-based learning in presenting cases through clinical scenarios so that the students arrive at the correct diagnosis at the end of the discussion.

**Title** **Oral Pathology 2, Dent 356**

Course Credit hours 3 (2 Theory, 1 practical)

Course Description Introduction to basic knowledge in the pathogenesis, basic clinical and radiographic features of diseases affecting the oral and maxillofacial region which include; infectious diseases, vesiculobullous diseases,

salivary gland lesions and tumors, TMJ diseases, odontogenic tumors and epithelial disorders. Problem based learning in presenting cases through clinical scenarios so that the students achieve appropriate diagnosis at the end of the discussion.

**Title** **Removable Prosthodontics 1, Dent 361**

Course Credit hours 3 (1 Theory, 2 practical)

Course Description Introduction to rehabilitation of edentulous patients using complete dentures. Chair-side and laboratory procedures of complete denture construction. Skills and understanding of laboratory procedures required for construction of the complete denture prosthesis. A series of exercises conducted to prepare the student for the clinical phase of managing edentulous patients.

**Title** **Removable Prosthodontics 2, Dent 362**

Course Credit hours 3 (1 Theory, 2 practical)

Course Description Introduction to the theoretical background of managing partially edentulous patients and the laboratory steps for removable partial denture production. The classification of edentulous ridges and partial denture types and designs. Hands on training on the various steps involved in the fabrication of removable partial dentures.

**Title** **Periodontology 1, Dent 370**

Course Credit hours 2 (1 Theory, 1 practical)

Course Description Review of the structure and function of periodontium, microbiological consideration and structure treatment plan with periodontal instrumentation. Information on the diagnosis, treatment plan & prognosis of most common forms of periodontal diseases and emergencies, the basic concepts in periodontal disease pathology, the local and systemic predisposing factors, relation of traumatic occlusion and periodontium.

Introduction to basic information in periodontology with emphasis on the anatomy and physiology of the



periodontium and the definition, classification, etiology and prevention of periodontal diseases.

**Title** **Dental Anesthesia and Sedation, Dent 381**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description Introduce to the general principles of oral surgery. Basic knowledge and practice of local anesthesia in dentistry. Theoretical and practical aspects of exodontias and dental sedation

**Title** **Oral Epidemiology, Dent 411**

Course Credit hours 1 (1 Theory, 0 practical)

Course Description This course is designed to provide students with the current knowledge in oral epidemiology. This includes concepts, terms and approaches used in epidemiology, epidemiological measures and indices relevant to oral health, measurements of population health methodological consideration, measurement of dental caries, periodontal disease as well as other dental diseases and conditions. This course will also provide information about distribution of epidemiology of oral and dental diseases such as tooth loss, dental caries, periodontal disease, and oral cancer.

**Title** **Preventive Dentistry, Dent 412**

Course Credit hours 2 (2 Theory, 0 practical)

Course Description Current knowledge in prevention of dental diseases. Public health methods for the prevention and control of dental caries, periodontal disease, dental trauma, malocclusion and oral mucosal lesions with an emphasis on the use of fluoride in prevention of dental caries. Introduction to evidence based dentistry.

**Title** **Comprehensive Dental Care 1, Dent 420**

Course Credit hours	5 (0 Theory, 5 Clinical)
Course Description	<p>Comprehensive clinical care model that emphasizes faculty-guided, student-provided, high-quality care of patients. Students are assigned patients having increasingly challenging needs. Students are assigned patients within the context of a mentorship team. Mentorship teams function as small-group dental practices and consist of a group of students led by a faculty mentor. The mentor has been specifically trained to coach members of his or her team in all aspects of managing their mini-practices.</p> <p>The mentorship team approach emphasizes coordination of each aspect of the patient's oral health care with the patient's overall dental and physical health. The mentor and the clinical faculty not only take responsibility for teaching this holistic approach but also challenge students to engage in inquisitiveness, critical thinking, and self-evaluation to provide comprehensive dental care to their patients in a General Practice Clinic setting.</p>
<b>Title</b>	<b>Paediatric Dentistry 2, Dent 431</b>
Course Credit hours	2 (1 Theory, 1 Clinical)
Course Description	Basic topics in pediatric dentistry including preventive measures such as fissure sealants, preventive resin restorations and fluoride application. Chemotherapeutic agents in pediatric dentistry, behavior management, intracoronal and extracoronal restorations, pulp therapy for primary and young permanent teeth, Early Childhood Caries and developmental dental anomalies. Guidance to begin delivery of competent oral health care for healthy children.
<b>Title</b>	<b>Paediatric Dentistry 3, Dent 432</b>
Course Credit hours	2 (1 Theory, 1 Clinical)
Course Description	The aspects of pulp therapy, dental trauma. Elaborate operative techniques as well as behavior management of children through clinical sessions where students practice dentistry on children.

<b>Title</b>	<b>Conservative Dentistry 1, Dent 445</b>
Course Credit hours	4 (1 Theory, 3 Clinical)
Course Description	Basic knowledge on management of various clinical aspects in operative dentistry and endodontics. The fundamental knowledge of occlusion. Providing dental patients with fillings using different restorative materials and management of simple cases of endodontics.
<b>Title</b>	<b>Conservative Dentistry 2, Dent 446</b>
Course Credit hours	3 (1 Theory, 2 Clinical)
Course Description	A continuation of previous courses. Intensive clinical training in operative dentistry including amalgam, composite and glass-ionomer fillings in addition to root canal therapy for a single-rooted tooth
<b>Title</b>	<b>Clinical Oral Diagnosis/Clinical Oral Radiology 1, Dent 453</b>
Course Credit hours	1 (0 Theory, 1 Clinical)
Course Description	<p>The clinical Oral Diagnosis part is constructed to apply on patients attending the oral diagnosis clinic the skills learned in previous oral diagnosis courses including history taking, extra and intra oral examination, charting, radiographic examination and establishment of a diagnosis.</p> <p>The clinical Radiology part includes training on paralleling technique, occlusal radiography, panoramic radiography, automatic processing, loading cassettes, troubleshooting and quality assurance as well as radiographic interpretation.</p>
<b>Title</b>	<b>Clinical Oral Diagnosis/Clinical Oral Radiology 2, Dent 454</b>
Course Credit hours	1 (0 Theory, 1 Clinical)

Course Description This course is a continuation of Oral Diagnosis/Oral Radiology I.

**Title Oral Medicine 1, Dent 456**

Course Credit hours 1 (1 Theory, 0 Clinical)

Course Description Basic knowledge required for building a systematic approach to the management of patients with dental, oral and paraoral conditions. The medical management of inflammatory and infectious diseases, oral ulcerations, benign over-growth, diseases of paraoral structures, mucocutaneous diseases, connective tissue disorders, gastrointestinal diseases, immunodeficiency, hypersensitivity, autoimmunity and oral reactions to various medications.

**Title Removable Prosthodontics 3, Dent 463**

Course Credit hours 3 (1 Theory, 2 Clinical)

Course Description Introductory clinical course to:

- Basic principles of prosthetic dentistry
- Identifying patient's problems and rendering a diagnosis requires insight to a patient's social and medico dental background.
- clinical and theoretical aspects of removable prosthodontics which involves the examination, diagnosis, treatment planning, construction of the prostheses and maintenance of the hard and soft tissues.
- Concepts involved in the design and production of partial dentures
- Health and safety in the clinics.
- Communication with the laboratory.

**Title**                      **Removable Prosthodontics 4, Dent 464**

Course Credit hours      2 (1 Theory, 1 Clinical)

Course Description      The assessment, diagnosis and treatment planning of patients in need for complete or removable partial dentures, managing complaints and complications, oral pathological conditions related to complete dentures, overdentures, relining, rebasing, and repairs of removable prostheses, copy dentures and immediate complete dentures

**Title**                      **Fixed Prosthodontics, Dent 465**

Course Credit hours      1 (1 Theory, 0 Clinical)

Course Description      To provide instructions in the theoretical aspects of planning and making crowns and bridges. At the end of the course the student should be able to:

- Understand the principles of case assessment and selection.
- Understand the principles and procedures involved in crown-bridgework preparation, provisional crown & bridge construction and the fitting of crowns.
- Understand the periodontal and occlusal implications of crown-Bridgework.
- Understand the principles and process of the laboratory procedures involved in manufacturing metal, porcelain, and metal/ceramic crown-bridgework.
- Identify failures and methods of repair.
- To comprehend briefly the all-ceramic restorations.

**Title**                      **Pre-Clinical Fixed Prosthodontics, Dent 466**

Course Credit hours 2 (0 Theory, 2 Practical)

Course Description To provide instructions in the practical aspects of planning and making crowns and bridges. At the end of the course the student should be able to:

- Practice the principles and procedures involved in crown-bridgework preparation, provisional crown & bridge construction and the fitting of crowns.
- Understand the principles and process of the laboratory procedures involved in manufacturing metal, porcelain, and metal/ceramic crown-bridgework.
- Identify failures and methods of repair.
- To comprehend briefly the all-ceramic restorations.

**Title Periodontology 2, Dent 471**

Course Credit hours 2 (1 Theory, 1 Clinical)

Course Description Review of the structure and function of periodontium, microbiological consideration and structure treatment plan with periodontal instrumentation. Information on the diagnosis, treatment plan & prognosis of most common forms of periodontal diseases and emergencies, the basic concepts in periodontal disease pathology, the local and systemic predisposing factors, relation of traumatic occlusion and periodontium. Provide guidance, experience of different periodontal problems and the associated skills, knowledge which is necessary to practice clinical periodontology. Understand the periodontal therapy as a part of comprehensive dental care and design a complete treatment plan.

**Title Periodontology 3, Dent 472**

Course Credit hours 2 (1 Theory, 1 Clinical)

**Course Description** This is a continuation of Periodontology 2. Review of the structure and function of periodontium, microbiological consideration and structure treatment plan with periodontal instrumentation. Diagnosis, treatment plan & prognosis of most common forms of periodontal diseases and emergencies, the local and systemic predisposing factors, relation of traumatic occlusion and periodontium. The rationale of periodontal therapy and how recent research considered periodontitis as a risk factor for some systemic diseases.

Guidance, experience of different periodontal problems and the associated skills, knowledge which is necessary to practice clinical periodontology. Also understand the periodontal therapy as a part of comprehensive dental care and design a complete treatment plan.

**Title** **Oral Surgery 1, Dent 483**

**Course Credit hours** 2 (1 Theory, 1 Clinical)

**Course Description** Detailed theoretical and practical aspects of Minor Oral Surgery executed under local anesthesia. The broad topic will include the preoperative management of patients with medical problems of relevance to minor oral surgery, basic surgical principles, the surgical extraction of teeth, the management of difficult extraction, the management of impacted teeth and surgical aids to orthodontics. The clinical part of this course will allow the students to utilize the knowledge obtained from the theoretical part.

**Title** **Oral Surgery 2, Dent 484**

**Course Credit hours** 2 (1 Theory, 1 Clinical)

**Course Description** This course is a continuation of Oral Surgery 1. The broad topic will include cysts of the jaws and surrounding soft tissues, the dental aspects of maxillary antrum, oro-facial infections, surgical aids to prosthetic dentistry, surgical aspects of implant dentistry, surgical aids to endodontics and surgery-pathology interrelationship

**Title** **Orthodontics 1, Dent 491**

Course Credit hours 2 (1 Theory, 1 Clinical)

Course Description Rationale of orthodontic treatment, facial growth, development of normal occlusion, classification of malocclusion, aetiology of malocclusion, cephalometric analysis, extra and intra oral examination, histology and physiology of tooth movement, and interceptive orthodontics. Wire bending laboratory work to provide sufficient orthodontic technical experience to make retentive and active components of removable orthodontic appliances.

**Title Orthodontics 2, Dent 492**

Course Credit hours 2 (1 Theory, 1 Clinical)

Course Description Introduction to the orthodontic clinic. Diagnosis and treatment planning of the different types of malocclusion as well as the clinical management of removable orthodontic appliances.

**Title Research Project, Dent 513**

Course Credit hours 2 (1 Theory, 1 Practical)

Course Description Application for the knowledge and skills in Research methods and Biostatistics. The students are required to choose a hypothesis and test it through a small pilot research project. The students are required to present their term paper then submit it for evaluation. The term paper should include all elements of research paper (Abstract, literature review, material and methods, result, discussion and conclusion). Students will also have seminars on different aspects of research methodology and be introduced to Evidence based dentistry and practice the utilization of search engines, critically review articles and write abstracts.

**Title Dental Practice Management, Dent 516**

Course Credit hours 1 (1 Theory, 0 Clinical)



Course Description Principles of dental Practice administration. Information about the organization of dental health, the practice of management, the managerial functions, and the structure of dental practice, quality assurance and financing the dental care.

**Title Oral Implantology, Dent 518**

Course Credit hours 1 (1 Theory, 0 Clinical)

Course Description Knowledge of the variable aspects of modern dental implantology including the rationale of dental implantology, history and development, bone biology, histology and physiology, osseointegration, biomaterials, surface modification of dental implants, biomechanics and variable designs of implants and implant components, surgical anatomy in relation to dental implants, and case selection for implant treatment.

**Title Comprehensive Dental Care 2, Dent 521**

Course Credit hours 2 (0 Theory, 2 Clinical)

Course Description This course is a continuation of Comprehensive Dental Care I. Students are assigned patients to provide comprehensive dental care in a general dentistry practice clinical setting. The philosophy of this model is to provide quality comprehensive dental care without fragmentation into separate specialties or Disciplines. Students learn to focus on the patient's total dental needs rather than a single clinical procedure.

**Title Comprehensive Dental Care 3, Dent 522**

Course Credit hours 2 (0 Theory, 2 Clinical)

Course Description This course is a continuation of semester 1. Students are assigned patients to provide comprehensive dental care in a general dentistry practice clinical setting. The philosophy of  
  
This model is to provide quality comprehensive dental care without fragmentation into separate specialties or Disciplines. Students learn to focus on the patient's total dental needs rather than a single clinical

procedure.

**Title** **Community Dentistry, Dent 524**

Course Credit hours 3 (1 Theory, 2 Clinical)

Course Description Seminars in this course expand students' foundation knowledge in health promotion and disease prevention activities with patients. The practical component will offer experiences in selected community settings provide students with the opportunity to develop and expand their skills in community oral health promotion.

Students are scheduled in local elementary and middle schools to participate in the oral health education, screening, and a referral program under the direct supervision of faculty members. In addition, students complete activities from a selected list of programs at local community agencies and/or schools. Students attend small group seminars to discuss their experiences and theoretical underpinnings of community oral health

**Title** **Paediatric Dentistry 4, Dent 533**

Course Credit hours 2 (1 Theory, 1 Clinical)

Course Description Advanced topics in pediatric dentistry including space management and space analysis, relative analgesia and advances in local anesthesia, advances in caries diagnosis and pre-eruptive lesions, dental erosion in children and adolescents, dental attrition and bruxism in children and adolescents, common oral medical problems, management of medical emergencies in the dental clinic, drug use and prescription in pediatric dentistry.

**Title** **Paediatric Dentistry 5, Dent 534**

Course Credit hours	1 (0 Theory, 1 Clinical)
Course Description	The course offered in the second semester of fifth year are entirely a practical course in the form of dental management of children in the clinics with emphasis on full comprehensive care for children including dental trauma cases.
<b>Title</b>	<b>Aesthetic Dentistry, Dent 540</b>
Course Credit hours	1 (1 Theory, 0 Clinical)
Course Description	This course is designed to give dental students a firm foundation to build the aesthetic restorative side of their career. It gives students sufficient information regarding the basic of smile design, digital photography, and tooth whitening procedures, anterior restorative treatments and veneers.
<b>Title</b>	<b>Conservative Dentistry 3, Dent 547</b>
Course Credit hours	3 (1 Theory, 2 Clinical)
Course Description	Most updated knowledge in conservative dentistry. Recent concept in operative dentistry, endodontics, and crown work, including treating advance operative dentistry, root canal treatment for multi rooted teeth, post-crowns, and crown.
<b>Title</b>	<b>Conservative Dentistry 4, Dent 548</b>
Course Credit hours	2 (0 Theory, 2 Clinical)
Course Description	The course is a continuation of previous courses and is designed to provide the final year dental students with the advanced knowledge in various disciplines of restorative dentistry including conservative dentistry, endodontics and fixed prosthodontics. Advanced clinical requirements in all disciplines over the academic year, and to manage different clinical cases.
<b>Title</b>	<b>Oral Medicine 2, Dent 555</b>

Course Credit hours	2 (1 Theory, 1 Clinical)
Course Description	All types of diseases and abnormalities that affect the oral lesion including oral pigmentation, carcinogenesis and precancerous lesions, oral carcinoma and management of oral cancer, teeth and bone disorders, diseases of lip and tongue, taste disturbances and halitosis, blood disorders and nutritional deficiencies, endocrine disturbances and renal diseases, facial pain and neurological disturbances, temporomandibular joint disorders, and psychogenic orofacial problems. Training to achieve diagnosis of the diseases through a systematic approach including full examination and special tests, discussing all treatment options for each disease and etiology of these diseases. The manifestation of systemic diseases in the oral cavity will be also included.
<b>Title</b>	<b>Oral Medicine 3, Dent 556</b>
Course Credit hours	1 (0 Theory, 1 Clinical)
Course Description	This course is a continuation of Dent Oral Medicine 1 and 2 in which they should discuss more advanced cases than the previous course.
<b>Title</b>	<b>Prosthodontics 1, Dent 567</b>
Course Credit hours	3 (1 Theory, 2 Clinical)
Course Description	<p>This course concludes the last sequence of fixed and removable prosthodontic courses leading to a professional degree in dentistry. The theoretical component will allow the students to make decisions, plan treatments and choose the proper treatment options for the edentulous and partially edentulous patients. It will also cover a review of important aspects in both fixed and removable prosthodontics. Furthermore, this course will cover advanced topics about esthetic dentistry, fixed-removable prosthodontics and full mouth rehabilitation cases. It will also cover the laboratory procedures involved in fabrication of dental restorations.</p> <p>Clinically, the students should be able to provide sound judgments independent of the instructor and should</p>

be able to treat patients in a multidisciplinary approach.

<b>Title</b>	<b>Prosthodontics 2, Dent 568</b>
Course Credit hours	2 (0 Theory, 2 Clinical)
Course Description	This course is a continuation of Prosthodontics 1. Make decisions, plan treatments and choose the proper treatment options for the edentulous and partially edentulous patients. Review of important aspects in both fixed and removable prosthodontics. Advanced topics about esthetic dentistry, fixed-removable prosthodontics and full mouth rehabilitation cases. Laboratory procedures involved in fabrication of dental restorations.

To provide sound judgments independent of the instructor and should be able to treat patients in a multidisciplinary approach.

<b>Title</b>	<b>Periodontology 4, Dent 573</b>
Course Credit hours	2 (1 Theory, 1 Clinical)
Course Description	Advanced methods of periodontal treatment modalities and techniques. Genetic factors associated with periodontal diseases, guided tissue regeneration, smoking and periodontics, and patients' education and support. Treatment of various forms of periodontal diseases by conventional methods, some applications of more advanced techniques and surgical procedures.

<b>Title</b>	<b>Periodontology 5, Dent 474</b>
Course Credit hours	1 (0 Theory, 1 Clinical)
Course Description	This course offered in the second semester of the fifth is a clinical course where graduating students practice the clinical skills they have learned with emphasis on interdisciplinary treatment, it also represent a review of all the subjects covered previously

<b>Title</b>	<b>Oral and Maxillofacial Surgery 1, Dent 585</b>
Course Credit hours	2 (1 Theory, 1 Clinical)
Course Description	This course is designed to provide students with current theoretical knowledge in the fundamentals and basic principles of maxillofacial surgery including surgical management of facial fractures, maxillofacial deformities, and cleft lip and palate. The clinical part provides hands-on of exodontia and simple oral surgery.
<b>Title</b>	<b>Oral and Maxillofacial Surgery 2, Dent 586</b>
Course Credit hours	2 (1 Theory, 1 Clinical)
Course Description	Basic knowledge about surgical management of TMJ, salivary glands and oral tumors. The importance of evaluating oral pathological lesions, especially those of potentially sinister outcome, and determination if a biopsy is needed. The clinical part provides hands-on of exodontia and simple oral surgery.
<b>Title</b>	<b>Orthodontics 3, Dent 593</b>
Course Credit hours	1 (0 Theory, 1 Clinical)
Course Description	To do extra and intra oral examination from orthodontic point of view, collect and analyze orthodontic records including dental casts and radiographs, to build a problem list and proper diagnosis for orthodontic patients and finally come up with treatment planning for orthodontic problems. During this course the students will also execute orthodontic treatment for simple problems using removable, growth functional, and partial fixed orthodontic appliances.

<b>Title</b>	<b>Orthodontics 4, Dent 594</b>
Course Credit hours	1 (0 Theory, 1 Clinical)
Course Description	Utilization of the theoretical knowledge to do extra and intra oral examination from orthodontic point of view, collect and analyze orthodontic records including dental casts and radiographs, to build a problem list and proper diagnosis for orthodontic patients and finally come up with treatment planning for orthodontic problems. During this course the students will also execute orthodontic treatment for simple problems using removable, growth functional, and partial fixed orthodontic appliances.