



Tanta University
Faculty of Dentistry
Quality Assurance Unit

Course Contents

وحدة ضمان الجودة

Tanta University
Faculty of Dentistry

PREPARATORY YEAR

Chemistry

Course Specification

Course Title	Chemistry	
Course Code	TDEN 00:01	
Academic Year	2016-2017	
Coordinator	Prof. El-Refia Kenawy and Prof. ElZeiny Ebeed	
Teaching Staff	Prof. El-Refia Kenawy and Prof. ElZeiny Ebeed	
Branch / Level	Pre-dentistry	
Semester	One and two	
Pre-Requisite	-B.D.S	
Course Delivery	Lecture	2h lectures × 24
	Practical	2h practical × 24
Parent Department	Chemistry Department, Faculty of Science	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Didactic

Course Contents Part A: Introduction to polymer Chemistry

Week	Topics
1,2	Introduction, History of Polymers, Some Important Terms, Monomers, Oligomers, Polymers
3,4	Polymerization, Classification of Polymers , Classification Based on Source of Availability, Natural Polymers, Semi Synthetic Polymers, Synthetic Polymers, Classification according Monomer arrangement in copolymers
5.6	Classification of Polymers according to thermal behavior, Classification Based on Mode of Polymerization, Classification of polymers by applications, Molecular Structure of Polymers, Thermal Properties of Polymers, Classification of polymerization reactions, A-Addition Polymerization (Chain Polymerization), B-Condensation or step growth Polymerization
7,8	Free-radical polymerization, Free radical initiators, Autoinhibition of Allylic Monomers
9,10	Practical Aspects of How To Make An Addition Polymer, Bulk (Mass) polymerization , Solution Polymerization
11,12	Suspension polymerization , Emulsion Polymerization
13	Term Assessment Exam
14, 15	Anionic addition polymerization, Cationic Addition polymerization

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16	Living Anionic Polymerization
17,18	Techniques for polycondensation
19,20	Ring-opening polymerization, Ziegler-Natta coordination polymerization
21,22	Important polycondensation polymers, Phenolic Polymers
23,24	Polyurethanes, Amino Plastics
25	Polymer Properties and MW, Recent topics in polymer chemistry

Course Contents Part B: Introduction to Material Science

Week	Topics
1,2	Naming inorganic compounds, The nucleus, isotopes, isobars and isotones. The p-n chart for stable isotopes.
3,4	Nuclear reactions with emphasis on those used in radiotherapy. Units of radioactivity. Applications. Mass spectrometry.
5	The mole concept and problems on moles.
6,7	Photon energy and its applications.
8,9	An introduction to quantum mechanics. The four quantum numbers and periodicity of elements.
10,11	Chemical bonding. Molecular orbital and valence bond theories, electronic transitions in molecules, singlet oxygen used in photodynamic therapy (PDT).
12	Redox reactions. Resonance. The formal charge concept.
13	Term Assessment Exam
14,15	Effect of chemical bonding on material properties, graphite, clays and zeolites, ceramics, acrylate resins.
16,17	States of matter, intermediate states of matter, amorphous materials, liquid crystals Thermal Analysis and its applications.
18,19	Solid state. Crystal systems, Bravais lattices, phase transformation and polymorphism. Point, linear and planar defects in solids and their effect on materials properties. Nanomaterials and their applications.
20,21	Alloys, totally miscible alloys, partially miscible alloys, phase rule application, amalgams.
22,23	Solutions: Electrolytes, colligative properties.
24	Acid-base properties, buffers. Ionic equilibrium, solubility product, salting-out and salting-in.
25	Chemical kinetics and Thermochemistry.

Physics

Course Title	Physics
Course Code	TDEN 00:02
Academic Year	2016-2017
Teaching staff	Prof. Dr. Osama hmeda- Prof. Dr. Gaballahabd el-satar
Branch/ level	Preparatory year
Pre-Requisite	B. D. S.
Course Delivery	24×1hLecture 24×1hPractical
Parent Department	Physics department - Faculty of Science
Date of Approval	Faculty Council on: 27/11/2016

Course Contents

Lee. No.	Topics
1	Units and dimensions
2	Simple harmonic motion
3	Elasticity
4	Surface tension
5	Fluid mechanics
6	Thermometers and temperature scales
7	Thermal expansion
8	Specific heat and latent heat
9	Kinetic theory of gas
10	Adiabatic processes for an ideal gas
11	Transfer of heat
12	introduction to thermodynamics
13	Coulomb's law
14	Electric field and Gauss's law.
15	Potential energy
16	Capacitors
17	Magnetic flux
18	Nature of light-speed of light
19	Reflection and refraction
20	Huygens's principle
21	Dispersion and prisms - lenses
22	Refractive index - The eye
23	introduction to statistical physics
24	The probability function

Zoology and Genetics

Course Title	Zoology and Genetics	
Course Code	TDEN 00:03	
Academic Year	2016-2017	
Coordinator	Prof. Dr Nahla E. Omran	
Teaching Staff	Ass. Prof Hala Abdelazeem, Dr Ezar Hazzaa and Dr. Lamia E. Bakr	
Branch / Level	Preparatory year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	2 h lectures×24
	Practical	2h practical×24
Parent Department	Zoology Department – Faculty of Science	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Lecture	Topics
1	Course Introduction, ILOs.
2	<u>Histology</u> : Types of microscopes and structure of eukaryotic animal cell.
3	Structure and function of living cytoplasmic organelles, plasma membrane and nucleus.
4	Basic tissue types (epithelial, connective, muscular and nervous tissues).
5	<u>Genetics</u> : Introduction and tools of genetic engineering
6	Methods of genetic engineering of cells.
7	Methods of genetic engineering of organisms: 1. Transgenic plants and animals.
8	Application of biotechnology.
9	<u>Physiology</u> : Musculoskeletal systems.
10	Cardiovascular system and the heart.
11	Body fluids and the kidneys
12	Respiratory system and Gas transport.
13	Gastrointestinal function.
14	Periodical exam
15	<u>Taxonomy</u> : What is taxonomy, why we classify an organism, how
16	Protozoa characters, classification, <i>Trypanosoma</i> , <i>Leishmania</i> ,
17	Parasitic Amoeba, <i>Balantidium coli</i>
18	Apicomplexa, <i>Malaria</i>
19	Porifera & Cnidaria
20	Periodical exam 1, research activity
21	Platyhelminthes, classification
22	Digenea: <i>Schistosoma</i>
23	Cestodes & Nematodes
24	Annelida
25	Protochordates
26	Fishes & Amphibia
27	Amniotes

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General Histology

Course Title	General Histology	
Course Code	TDEN 00:04	
Academic Year	2016-2017	
Coordinator	Dr. Marwa Awad Abdel hamid Ibrahim	
Teaching Staff	Dr. Abd-El Moniem Zamzam, Dr. Essam Laag, Dr. Marwa Awad Abdel hamid Ibrahim	
Branch / Level	Preparatory year	
Semester	all the academic year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	25×2h lectures
	Practical	25×2h practical section
Parent Department	Histology Department, Faculty of Medicine, Tanta University	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Topics	Hours for lectures	Hours for practical
1-Introduction and microtechniques	2	2
2- Cytology	Total=10	Total=10
• Cell membrane-RER-Ribosomes	2	2
• Golgi-Mitochondria-peroxisomes	2	2
• Cytoskeleton	2	2
• Nucleus	4	4
3- Epithelium	Total= 4	Total= 4
Simple epithelium and Stratified epithelium	2	2
Cell junctions and Special cells	2	2
4- Connective tissue	Total= 6	Total= 6
• C.T cells	2	2
• C.T ground substance	2	2
• Adipose tissue	2	2
5- Cartilage	2	2
6- Bone	4	4
7- Muscle tissue	4	4
8- Nervous tissue	4	4
9- Blood	4	2
10-lymphatic	4	2
11-Blood vessels	2	2
12-Revision	4	10
Total	50	50

General Anatomy

Course Title	General Anatomy
Course Code	TDEN 00:04
Academic year	2016- 2017
Coordinator	Prof. Dr. Mona Attia
Teaching Staff	Prof. Dr. Mona Attia – Prf. Dr. Amal Mahdy- Prof. Dr. Maisa Fahmy- Prof. Dr. Manal El Bermawy - Prof.Dr. Doaa Heeba
Branch/ Level	Preparatory year
Semester	First& Second Semesters
Pre- Requisite	B.D.S
Course Delivery	Lecture 24 h lectures
	Practical 24 h practical lessons
Parent Department	Department of Human Anatomy& Embryology- Faculty of Medicine – Tanta University
Date of Approval	Faculty Council on: 27/11/2016

(Contents of the course)

Week	Topics
1	Anatomical terminology
2	Skin& fascia
3	Muscular system
4	Skeletal muscles
5	Skeletal system
6	Skeleton
7	Skull and teeth eruption
8	Thoracic cage& vertebral column
9	Appendicular skeleton
10	Joints (Fibrous&cartilagenous)
11	Synovial joints
12	Respiratory system
13	Cardiovascular system (Heart)
14	Cardiovascular system (Arteries& veins)
15	Lymphatic system & Abdominal regions
16	Digestive system
17	Digestive glands& biliary apparatus
18	Urinary system
19	Male genital system
20	Female genital system
21	Endocrine glands
22	Nervous system (brain& brain stem)
23	Spinal cord & Autonomic nervous system
24	Sense organs & cranial nerves

Dental Morphology

Course Title	Dental morphology	
Course Code	TDEN 00:05	
Academic Year	2016-2017	
Coordinator	Ass. Prof. Amel Mohammed Ezzat.	
Teaching Staff	- Prof. Doria El-Bardesy. - Prof. Naglaa Nagy. - Prof. Olfat Gaballah. - Prof. Heba El-Tokhy. - Ass. Prof. Amel Ezzat. - Dr. Souzan Anwar. - Dr. Gehan Ahmed. - Dr. Doaa Labah. - Dr. Doaa Teima. - Dr. Reda Gaber. - Dr. Sarah Yasser.	
Branch / Level	preparatory year	
Course Delivery	Lecture	1 h lectures/ week
	Practical	3 h practical/ week
Parent Department	Oral biology department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1,2,3	Introduction
4	Permanent maxillary incisors
5	Permanent mandibular incisors
6	Permanent maxillary canine
7	Permanent mandibular canine
8,9	Permanent maxillary premolars
10,11	Permanent mandibular premolars
12	Primary anterior teeth
13	Chronology
14,15	Permanent maxillary molars
16,17	Permanent mandibular molars
18	Physiologic tooth form
19	Geometric outline of teeth
20,21	Primary posterior teeth
22,23,24,25	Occlusion of the primary teeth & permanent teeth

Basic Dental Biomaterials

Course Title	Basic Dental Biomaterials
Course Code	TDEN 00:06
Academic Year	2016/2017
Coordinator	Dr. Samy El- Safty
Teaching Staff	Prof.Dr. Manal El-Ebiary-Dr.Eman El-Bahrawy -Dr. Samy El-Safty
Branch / Level	Preparatory year of BDS
Pre-Requisite	B.D.S
Course Delivery	Lecture : 25 x 1 h lectures
Parent Department	Dental Biomaterials department
Date of Approval	Faculty Council on: 27/11/2016

Course Contents

Week	Topics
1,2,3,4	Introduction & structure of matter & Physical properties of dental materials
5,6,7,8	Mechanical properties of dental materials
9, 10	Hardness & Viscoelasticity
11,12,13	Metals & alloys
14	Corrosion
15	Adhesion
16	Mid-term exam
17,18	Polymers and polymerization
19	Gold alloys
20,21	Cobalt-chromium and titanium
22,23	Investment
24	Casting
25	Wrought dental alloys
26	Joining of metals

English Language and Medical Terminology

Course Title	English Language and Medical Terminology	
Course Code	TDEN 00:07	
Academic Year	2016-2017	
Coordinator	Dr. Soha Aly Helmy	
Teaching Staff	Dr. Soha Aly Helmy	
Branch / Level	Preparatory (pre-dental) year	
Semester	First and second	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	2 h x 24 lectures
	Practical	—
Parent Department	Department of Foreign Languages at Faculty of Education	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Reading comprehension - listening
2	Medical dialogues - transcription
3	Kinds of English sentences
4	Common grammatical mistakes
5	Writing a paragraph
6	How to write an essay
7	Medical terminology
8	Oral session
9	Medical terminology
10	Listening
11	Oral session
12	Reading comprehension - transcription
13	Medical Idioms
14	Reading comprehension - listening
15	Medical terminology
16	General Idioms
17	Vocabulary exercises
18	Oral session
19	Capitalization
20	Preposition
21	Medical dialogues
22	Listening
23	Idioms - transcription
24	Reading comprehension - listening

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FIRST YEAR

Oral Biology

Course Title	Oral Biology	
Course Code	TDEN 01:01	
Academic Year	2016-2017	
Coordinator	Prof. Heba El-Tokhey	
Teaching Staff	- Prof. Doria El-Bardesy. - Prof. Naglaa Nagy. -Prof. Olfat Gaballah. -Prof. Heba El-Tokhy.- Ass. Prof.AmelEzzat. - Dr. Souzan Anwar. - Dr. Gehan Hassan. - Dr. Doaa Labah. - Dr. Doaa Teima. - Dr. Reda Gaber. - Dr. Sarah Yasser.	
Branch / Level	First year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x2 h lectures
	Practical	24 x2 h practical
Parent Department	Oral Biology Department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1,2	Tooth development
3,4	Enamel
5,6	Dentine
7,8	Cementum
9	Pulp
10,11	Periodontal ligament
12,13,14	Embryology
15	Alveolar bone
16,17	Oral mucosa
18,19	Salivary glands
20	Eruption
21	Shedding
22	Growth of maxilla and mandible
23.24	Temporomandibular joint & Maxillary sinus & Lymph drainage of the teeth and oral tissues

General pathology

Course Title	General pathology	
Course Code	TDEN 01:02	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Azima Gamal Noseir	
Teaching Staff		
Branch / Level	First year	
Semester	First and second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	2 h lectures /week
	Practical	2 h practical /week
Parent Department	Department of pathology/ Faculty of Medicine	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1,2,3,4	1. Inflammation and repair
5,6,7	2. Cell injury, degeneration, necrosis & gangrene
8,9,10	3. Circulatory disturbances
11,12,13,14	4. Granulomas
14,15	5. Immunity
16,17	6. Ionizing radiation
18,19	7. Growth disturbances
20,21,22,23,24	8. Neoplasia

Biochemistry

Course Title	Biochemistry	
Course Code	TDEN 01:03	
Academic Year	2016-2017	
Coordinator	Dr, Safwat M. Kassem	
Teaching Staff	Dr Safwat m. Kassesm, Dr. Wafaa Ebrahim , Dr. , Manal Mohammed El Batchy, Dr. Halah ELsaid Metwaly	
Course Delivery	Lecture	24\2 week
	Practical	24\1 week
Parent Department	Biochemistry	
Date of Approval – Date of revision	Faculty Council on: 27/11/2016	

Course Contents

Topic	No. of hrs.		
	Lectures	Practical/Small groups	Week
Enzymes	4	2	2
Carbohydrate Metabolism	10	5	5
Lipids metabolism	10	5	5
Protein & amino acids metabolism	12	6	6
Vitamins	4	2	2
minerals	4	2	2
Biochemistry of endocrine glands	4	2	2

General Physiology

Course Title	General Physiology	
Course Code	TDEN 01:04	
Academic Year	2016-2017	
Coordinator	Professor Salma Elwy Nassar	
Teaching Staff	Physiology staff members	
Branch / Level	First year	
Semester	First and second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	4 hours / week for 24 weeks
	Practical	2 hours / week for 24 weeks
Parent Department	Physiology department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Weeks	Topics
1,2,3	<p>1. Blood:</p> <ul style="list-style-type: none"> • Introduction & properties of blood • Function of the blood • Plasma protein • Hemostasis • Erythrocytes • Blood group & leucocytes
4,5	<p>2. Central Nervous System:</p> <ul style="list-style-type: none"> • Introduction & Receptors • Somatic sensations (Mechano. & thermo) • Pain • Somatic sensations from the head • Pain analgesia system • Thalamus , Somatic sensory areas , Abnormal sensations
6,7,8	<p>3. Respiration:</p> <ul style="list-style-type: none"> • Introduction & Mechanism of respiration • I.P.P. & lung compliance • Lung surfactant & Respiratory work

	<ul style="list-style-type: none"> • Dead space • Lung Volumes & Capacities • Mechanism of gas exchange • O₂ D. curve • Respiratory centres & central mechanism of respiration • Regulation of respiration • Acid - Base balance • Hypoxia and cyanosis
9, 10	<p>4. Autonomic Nervous System:</p> <ul style="list-style-type: none"> • Introduction • Autonomic ganglia • Sympathetic • Parasympathetic • Chemical transmission
11,12	<p>5. Metabolism:</p> <ul style="list-style-type: none"> • Introduction, R.Q, B.M.R & S.D.A • Metabolism during muscular exercise • Regulation of body temperature
13,14,15,16	<p>6. Digestion:</p> <ul style="list-style-type: none"> • Salivary secretion & deglutition • Gastric secretion • pancreatic secretion • Bile secretion, jaundice • Small & Large intestine
17,18,19	<p>7. Endocrinology:</p> <ul style="list-style-type: none"> • Introduction • Pituitary gland • Thyroid gland • Calcium homeostasis

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	<ul style="list-style-type: none">• Suprarenal gland• Pancreas
20,21,22,23,24	8. Cardiovascular System: <ul style="list-style-type: none">• Introduction & Properties• Innervations & Heart rate• Cardiac output & cardiac work• Arterial blood pressure• Diameter of arterioles• Capillary & lymphatic circulation

Special Anatomy

Course Title	Special Anatomy
Course Code	TDEN 01:05
Academic year	2016- 2017
Coordinator	Prof. Dr. Amal El Kattan
Teaching Staff	Prof. Dr. Mona Zoair- Prof. Dr. Amal El Kattan- Dr. Rabab Amer- Dr. Doaa Radwan- Dr. Remoon Aziz- Dr Rasha Abd El Azez
Branch/ Level	First Year Dentistry
Semester	First& Second Semesters
Pre- Requisite	B.D.S
Course Delivery	Lecture 24 h lectures
	Practical 24 h practical lessons
Parent Department	Department of human Anatomy& Embryology- Faculty of Medicine – Tanta University
Date of Approval	Faculty Council on: 27/11/2016

(Contents of the course)

Week	Topics
1	Skull& mandible
2	Face
3	Scalp
4	Parotid region
5	Temporal Fossa
6	Infratemporal Fossa
7	Infratemporal Fossa (continue)
8	Temporomandibular joint
9	Cranial Cavity (bone)
10	Cranial Cavity (soft structures)
11	Orbit
12	Orbit (continue)
13	Cervical vertebrae
14	Superficial& deep fascia of the neck& Sternomastoid muscle
15	Posterior triangle & Midline structures of the neck
16	Anterior triangle of the neck
17	Submandibular region& gland
18	Main vessels of the neck
19	Main nerves of the neck
20	Viscera, root& back of the neck
21	Mouth cavity& Tongue
22	Palate
23	Pharynx & Nasal cavity
24	larynx & ear

Dental Biomaterial

Course Title	Dental Biomaterial
Course Code	TDEN 01:06
Academic Year	2016/2017
Coordinator	Dr.Gehan El- Oleimy
Teaching Staff	Ass. Prof. Usama Abd-Alkareem - Dr.Hend El-kafrawy - Dr.Gehan El- Oleimy- Dr.Nancy Farghal
Branch / Level	First year
Pre-Requisite	B.D.S
Course Delivery	Lecture 2hx24 lectures Practical 2h x24Practical
Parent Department	Dental Biomaterial department
Date of Approval	Faculty Council on: 27/11/2016

Course Contents

Week	Topics
1,2,3,4	Composites
5,6,7	Amalgam
8	Adhesives
9,10,11	Dental cements
12,13,14	Impression Materials
15	First mid-term exam
16	Gypsum products
17	Model & die materials
18, 19,20	Acrylic resins& Soft liners
21,22,23	Ceramic
24,25	Endodontic material &dental wax

General Microbiology

Course Title	General Microbiology	
Course Code	TDEN 01:07	
Academic Year	2016-2017	
Coordinator	Dr. Rasha Alm El-Din	
Teaching Staff	Prof. Dr. Mohamed Zakaria, Ass. Prof.Dr. Rasha Alm El-Din & Ass. Prof.Dr. AbouElfetouh ElAnani	
Branch / Level	First year	
Pre-Requisite	B.D.S	
Semester	First & second semester	
Course Delivery	Lecture 24 / 2h	
	Practical 2h/ week	
Date of Approval	Faculty Council on: 27/11/2016	

(Contents of the course)

Topic	No. of lectures	
	Lectures	
<u>I) General bacteriology</u>		
<u>1. Introduction</u>	<u>1</u>	
<u>2. Morphology and structure</u>	<u>1</u>	
<u>3. Physiology and metabolism</u>	<u>1</u>	
<u>5. Sterilization</u>	<u>1</u>	
<u>6. Chemotherapy</u>	<u>1</u>	
<u>II) Immunology</u>		
<u>1. Innate immunity</u>	<u>1</u>	
<u>2. Immunoglobulins</u>	<u>1</u>	
<u>3. Antigens</u>	<u>1</u>	
<u>4. Acquired immunity</u>	<u>1</u>	
<u>5. Cells of immune response</u>	<u>1</u>	
<u>6. Complement system&Cytokines</u>	<u>1</u>	
<u>7. Oral immunology</u>	<u>1</u>	
<u>9. Hypersensitivity</u>	<u>1</u>	
<u>III) Systemic bacteriology</u>		
<u>1. Classification</u>	<u>1</u>	
<u>2. Staphylococci</u>	<u>1</u>	
<u>3. Streptococci & pneumococci</u>	<u>1</u>	
<u>4. Nisseria</u>	<u>1</u>	
<u>5. Bacillus group& Clostridium group</u>	<u>1</u>	
<u>7. Mycobacterium group</u>	<u>1</u>	
<u>10. Anaerobic bacteria</u>	<u>1</u>	
<u>IV) General &Systemic Mycology</u>	<u>1</u>	
<u>V) General &Systemic Virology</u>	<u>1</u>	
<u>VI) Infection control & Nosocomial Infection</u>	<u>1</u>	
<u>VII) Applied dental Microbiology</u>	<u>1</u>	

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SECOND YEAR

Oral Pathology

Course Title	Oral Pathology	
Course Code	TDEN 02:01	
Academic Year	2016-2017	
Coordinator	Assoc. Prof. /Eman Megahed	
Teaching Staff	Prof./ Adel Raghib, Prof./ Nahed Abo-Azma, Prof./ Iman El-Shamy, Assoc.Prof./Eman Megahed, Dr./ Wafaa Mostafa, Dr./ Elsayed Deraz, Dr./ Omneya Wahba, Dr./Ahmed Eissa, Dr./ Heba Youssef	
Branch / Level	Oral Pathology, The 2nd year students	
Semester	1st and 2nd semesters (One academic year)	
Pre-Requisite	BDS	
Course Delivery	Lecture	3 h/ week
	Practical	3 h/ week
Parent Department	Oral Pathology Department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	uction & biopsy
1,2,3	opmental disturbances of oral & ral structures
2,3,4	Dental caries
4,5	ogy of Pulp and periapical region
6	Osteomyelitis
7,8,9	Cysts of oral and perioral tissues
9,10	ogenic tumors
10	ve lesions
11	ssive and reparative changes of the teeth
12,13	Bone diseases
14	White oral lesions
15	Carcinogenesis
16	lignant oral lesions
17	n epithelial non-odontogenic tumors
18	ant epithelial non-odontogenic tumors
19	n connective tissue non-odontogenic tumors
19	ant connective tissue non-odontogenic tumors
20	ry gland diseases
21	n salivary gland tumors
21	ant salivary gland tumors
22	otic lesions
22	atic lesions
23,24	ous diseases
24,25	llo-bullous lesions

Conservative Dentistry

Course Title	Conservative Dentistry	
Course Code	TDEN 02:02	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Magda El-Eraky	
Internal reviewer	Prof.Dr.Wedwd Etman	
Teaching Staff	Dr. Ali Ibrahim, Dr.Hussin Yehya,Dr.Mostafa Hassan, Dr. Wedad Etman , Dr. Magda Eleraky, Dr.Reham Attia..	
Branch / Level	Second year	
Semester	First & Second semester	
Pre-Requisite	BDS	
Course Delivery	Lecture	26 x 2 h lectures
	Practical	26x 4 h practical
Parent Department	Conservative Dentistry	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Introduction to Conservative Dentistry Objectives and Terminology
2	-cavity nomenclature
3	- Tooth numbering
4-5	Dental Caries: -Definition -Classification -Sites and Progression of Caries
6	-Black's classification -Classification according to site and stage
7-8	*principles of Cavity Preparation *biologic principles
9-11	- mechanical principles -Outline Form Resistance and Retention Form. - Convenience Form -Removal of Remaining Carious Dentin -Finishing Enamel Walls
12-15	Instruments and Instrumentation *General Classification *Hand Instruments *Powered Cutting Equipment (Hand pieces, Burs, Abrasives)
16-18	class I -classII -class III -class V
19-20	Pulp Protection Therapy: -Varnishes -Liners Bases
21-22	Dental Matrices & separation
23-24	Amalgam Restoration
25-26	Composite restoration

crown & Bridge

Course Title	crown & Bridge	
Course Code	TDEN 02:03	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Mohamed Farag	
Teaching Staff	Dr. A Korsel, Dr W. elshahawy	
Branch / Level	Second year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 2 h lectures
	Practical	26 x 4 h practical
Parent Department	crown & Bridge	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

weeks	Topics
1	Curriculum and Grading
2	Introduction and Terminology
3	Primary impression and related procedures
4-6	<u>Principles of Tooth Preparation</u> a. Biological Principles b. Mechanical Principles c. Aesthetic Principles
7	3/4 tooth preparation and modification
8-9	Inlay and onlay tooth preparation
10	Quiz 1
11	Complete cast crown tooth preparation
12	Porcelain fused to metal tooth preparation
13	All ceramic tooth preparation
14-15	Revision
	Mid-year examination
16	Articulation and mounting
17-18	Working cast and die

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19-20	Wax pattern
21	Quiz 2
22	spruing
23	investing
24	Burn out
25	Casting
26	Casting defects
27	Finishing and polishing
28	Revision
	Final-year practical exam

Technology of Prosthodontic

Course Title	Technology of Prosthodontic	
Course Code	TDEN 02:04	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Ibrahim Ramadan El-Torky	
Teaching Staff	Prof. Dr. Ibrahim Ramadan, Prof. Dr. Maha Halim, Prof. Dr. Mohamed Maamoun, Ass. Prof. Dr. Azza Alsegae, Dr. Nabil El Gendy, Dr. Zainab Abdelaal, Dr. Tamer Nasr, Dr. Amal Salem, Dr. Emad Mabrouk	
Branch / Level	Second year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	25x 2h lectures
	Practical	24 x 6h practical
Parent Department	Prosthodontic Department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Introduction to Prosthodontic & Principles of complete denture Prosthodontic
2	Anatomy of the mouth in relation to complete dentures.
3,4	impression trays and construction of master casts
5	Record blocks
6	Articulators & mounting the casts
7	Mandibular movements & Occlusal curvatures
8	Retention and stability of complete denture.
9	Selection of artificial teeth
10	Arrangement of artificial teeth
11	Complete denture wax-up & Post damming.
12	Complete Denture processing
13	Principles of selective grinding, finishing, and polishing of the complete dentures
14	Complete Denture repairs & relief.
15	Terminology & Classification of partial denture.
16	Surveying of partially edentulous casts
17	Rest & rest seats
18	Direct retainers
19	Major connectors
20	Minor connectors & finish lines.
21	Indirect retainers & stress breakers
22	Designing of removable partial denture and lab prescription or work authorization
23	Laboratory procedures of making a conventional removable partial denture
24	Denture base and teeth for removable partial dentures
25	Provisional removable partial dentures

Technology of Orthodontics

Course Title	Technology of Orthodontics	
Course Code	TDEN 02:05	
Academic Year	2016-2017	
Coordinator	Ass .Prof. Ghada El- mehy	
Teaching Staff	Prof. Eman El Shourbagy - Prof. Ass. Ghada El- mehy –Dr.Nahla Goma- Dr. Atia Abdel wareth – Dr.Mohamed ellithi	
Branch / Level	Second Year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 1 h lectures
	Practical	24 x 2 h practical
Parent Department	Orthodontics	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Introduction - aims of orthodontics
2,3,4	Growth & Development of the head
5,6,7,8	Development of dentition
9	Normal occlusion
10,11,12	Malocclusion (different classification)
13,14	Stomatognathic system and factors affecting normal development of occlusion
	Exam
15	Trajectories of force
16,17	Soft tissue morphology
18,19,20,21,22	Etiology of malocclusion (general - local factors)
23,24	Unfavorable sequelae of malocclusion

Technology of Pedodontics

Course Title	Technology of Pedodontics	
Course Code	TDEN 02:06	
Academic Year	2016-2017	
Coordinator	Prof. Amina El Hossary	
Teaching Staff	Prof, Fatma El handawy, Prof. Amina El Hossary ,prof. Nagwa Ghoname, prof , Nahed Abdel mageed .	
Branch / Level	Second year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 1 h lectures
	Practical	24 x 2 h practical
Parent Department	Pedodontic, Oral Health & Preventive Dentistry	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Introduction to Pediatric Dentistry
2,3	Examination of the mouth and other associated structure
4	Radiologic examination
5,6,7	Chronology& Occlusion / Problems in mixed dentition
8,9,10	Preventive orthodontics / Space maintainers
11,12	Interceptive orthodontics / Oral habits
13,14	Cross bite
	Exam
15,16	Class1 anterior crowding / Serial extraction
17,18,19	Psychological behavior management of children
20,21	Conscious sedation &General anesthesia
22	Dental caries in children
23,24	Dental materials used in pedodontic clinic

Pharmacology

Course Title	Pharmacology	
Course Code	TDEN 02: 07	
Academic Year	2016/2017	
Coordinator	Prof. Dr. Shahinaz Shalaby	
Teaching Staff	Prof. Dr. Shahinaz Shalaby	
Branch / Level	Second year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 2 h lectures
	Practical	24 x 1 h practical
Parent Department	Department of Pharmacology – Faculty of Medicine	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1.2.3	1- General pharmacology
4.5	2- Drug interactions
6.7	3- Autonomic Nervous System
8.9	4- Skeletal muscle relaxants
10.11.12. 13	5- Pharmacology of Blood
15.16	6- Hormones and their antagonists
7.1.18.19.20	7- Chemotherapy
21	8- Vitamins
22.23.24	9- Locally acting drugs

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THIRD YEAR

General Internal Medicine Dermatology and venereology

Course Title	General Internal Medicine *,Dermatology and venereology	
Course Code	TDEN 03:01	
Academic Year	2016/2017	
Coordinator	Prof. Waleed Samy	
Teaching Staff	Prof. Waleed Samy Assist. Prof. Abeer Shahba and Assist. Prof. Yasser. M. Abd El Raouf .	
Branch / Level	Third year	
Terms	First & Second terms	
Pre-Requisite	B.D.S	
Course Delivery	Lectures	2 hour/week (total 24 lectures)
	Practical	2 hour/ week (total 24 hours)
Parent Department	Internal Medicine Faculty of Medicine	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1,2,3,4	1. CARDIOVASCULAR DISEASES
5,6,7, 8	2. GASTROINTESTINAL (GIT), BILIARY AND LIVER DISEASES
9,10,11, 12	3. ENDOCRINE DISEASES
13,14, 15, 16	4. RESPIRATORY DISEASES
17, 18, 19	5. DISEASES OF CENTRAL NERVOUS SYSTEM (NEUROLOGY)
20	6. INFECTIOUS DISEASES
21	7. UROLOGY SYSTEM
22, 23	8. RHEUMATOLOGY
24	9. BLOOD DISEASES (HEMATOLOGY)

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General Internal Medicine, Dermatology and venereology

Course Title	General Internal Medicine, Dermatology and venereology*	
Course Code	TDEN 03:01	
Academic Year	2016-2017	
Coordinator	Prof Dr. Arwa Mohammed Hassan	
Teaching Staff	Prof Dr. Arwa Mohammed Hassan Ass Prof Dr. Amal El Ashmawy DR. Ghada Fawzy	
Branch / Level	Third year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	2 h / week
	Practical	2 h practical
Parent Department	Dermatology and Venereology	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Subject	N.of hours
-Infecting oral diseases : Viral , Fungal,& Bacterial	14 hours
-Autoimmune diseases with mucous membrane affection e.g C.T diseases, vesiculobullous diseases , vasculitis (e.g Behcet disease) -Hypersensitivity diseases e.g erythema multiform	8 hours
-Erythemasquamous diseases e.g lichen planus	8 hours
-Miscellaneous e.g Aphthous ulcers , Leucoplakia	4hours
-STDs with oral mucous membrane affection e.g AIDS , Syphilis , Herpes	14 hours

General Surgery *, ENT , Ophthalmology

Course Title	General Surgery *, ENT , Ophthalmology	
Course Code	TDEN 03:02	
Academic Year	2016 -2017	
Coordinator	Prof.dr. Mohamed Abo raya	
Teaching Staff	prof .dr Mohamed Abo raya- dr.Mohamed shalaby Prof.dr.Amel Hashish	
Branch / Level	Third year	
Semester	First and second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	14 x 2 h lectures
	Practical	14 x 2 h practical
Parent Department	General Surgery, Faculty of Medicine , Tanat University	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

No of lectures	Topics
First semester (General Surgery)	
Introduction to surgery	
1	Wounds, wound healing and wound management
1	Surgical infections and nosocomial infection and their management
1	Preoperative assessment and postoperative complications of the surgical patient
2	Hemorrhage, hemorrhagic disorders and blood transfusion
1	Blood transfusion
2	Shock
1	Nutrition in surgery
1	Tumor biology and management
Second semester (special Surgery)	
Head and neck surgery	
1	Mouth, cheek and tongue
1	Teeth gums and jaws
1	Salivary glands
2	Thyroid gland
1	Lips & palate
1	Cystic swelling of the neck
1	Solid swelling of the neck

General Surgery, ENT*, Ophthalmology

Course Title	General Surgery, ENT*, Ophthalmology	
Course Code	TDEN 03:02	
Academic Year	2016/2017	
Coordinator	Prof. Dr .Mohamed Nasser Elsheikh	
Teaching Staff	Prof. Dr .Mohamed Nasser Elsheikh	
Branch / Level	Third year	
Semester	Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	12x 1 h lectures
	Practical	12 x 1 h practical
Parent Department	Otolaryngology of Department, Faculty of Medicine, Tanta University	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
	Nose
	Paranasal sinuses
	Pharynx
	Larynx

General Surgery, ENT, Ophthalmology*

Course Title	General Surgery, ENT, Ophthalmology*	
Course Code	TDEN 03:02	
Academic Year	2016/2017	
Coordinator	Prof. Dr. Adel Abdo Selima	
Teaching Staff		
Level / Branch	Third year	
Semester	Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	12x 1 h lectures
	Practical	12 x 1 h practical
Parent Department	Ophthalmology Department, Faculty of Medicine	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Topics
<ol style="list-style-type: none"> 1. Basic anatomy and infectious diseases related to the oral cavity 2. Orbital cellulites and its complications 3. Cavernous sinus thrombosis 4. Inflammatory diseases of the uveal tract 5. Optic neuritis 6. Allergic diseases related to oral cavity diseases or surgery (part 1); Phlyecten 7. Allergic diseases related to oral cavity diseases or surgery (part 2); Uveitis 8. Eye surgery (part1); Cataract 9. Eye surgery (part2); Glaucoma 10. Proptosis 11. Exophthalmous 12. Eye injury

Oral Surgery and Anesthesia

Course Title	Oral Surgery and Anesthesia.	
Course Code	TDEN 03:03	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Abdel Fattah A. Sadakah.	
Teaching Staff	Prof.Dr. Mohamed Monay Shoshan, Prof.Dr. Abdelfattah Sadaka, Prof.Dr. Mohamed Saad, Prof.Dr. Mohamed Hussien, Dr. Samir Abd elaal, Dr. Khaled Saad, Dr. Ibrahim Noir, Dr. Ahmed Sanad Dr. Emad Faheem, Dr. Rafik Ramadan	
Branch / Level	Third year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture 2 hrs/ week	24 x 2 h lectures
	Practical 2 hrs/ week	26 x 2 h practical
Parent Department	Oral & Maxillofacial Surgery.	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Weeks	Topics
1	Anatomy related to local anesthesia.
2	Neurophysiology.
3	preparation & premedication of the patient.
4	Armamentarium.
5	local anesthetic drugs & vasoconstrictors.
6,7	Techniques of local anesthesia.
	Med-term Exam.
8.9	Complications of local anesthesia.
10.11	General anesthesia.
12	Anatomical considerations of exodontia.
13	General considerations of exodontia.
	Exam
14	Forceps extraction (Intra-alveolar extraction).
15	Techniques for forceps extraction.
16.17	Uses of elevators
	Med term exam
18	Surgical removal of teeth (Trans-alveolar extraction)
19.20	Complications of exodontia.
21.22	Management of patients with systemic diseases in oral surgery.
23.24	Impacted teeth.

Conservative Dentistry

Course Title	Conservative Dentistry	
Course Code	TDEN 03:04	
Academic Year	2016-2017	
Teaching Staff	Dr.Ali Ibrahim, Dr.Thuraia Genaid , Dr.Hussin Yehia , Dr.Mervat salam, Dr.Reham Attia	
Course Coordinator	Prof. Dr.Thuraia Genaid	
Internal reviewer	Prof.Dr.Mostafa Hassan	
Branch / Level	Third year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 1 h lectures
	Practical	24 x 3 h practical
Parent Department	Conservative Dentistry	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents:

Week	Topics
1-2	Dental chair and operating positions
3-5	Infection control in dental clinics
6-9	Patient Assessment , Diagnosis and Treatment Planning
10-11	Control of Moisture of Operative field and Separation: - Isolation - Separation
12	Selection of Restorative Materials: *Requirements of ideal restoration *Factors affecting selection
13-14	Biologic influence of restorative Procedures : * Biologic effect of cavity preparation * Biologic effect of restorative material properties and application
15-16	Management of deep carious lesions
17	Temporization: *Objectives * Materials& techniques
18-19	Pain and Pain Control Management
20-21	Post operative pain and dentin hyper sensitivity
22-23	Glass ionomer restorative material *conventional * modified
24	Health Hazards -Hazards of Dental Materials (Toxicity, Sensitivity Hazards of Cavity Instrumentation

Crown & bridge

Course Title	Crown & bridge	
Course Code	TDEN 03:05	
Academic Year	2016-2017	
Coordinator	Dr. Amany Korsel	
Teaching Staff	Dr.M sedeak . Dr. A Korsel, Dr. W Elshahawy	
Branch / Level	Third year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	23 x 1 h lectures
	Practical	26 x 3 h practical
Parent Department	Crown & bridge	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
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First Semester

1	Curriculum and Grading
2	Tooth Preparations (Revision)
3	Primary impression and related procedures
4-5	Effect of tooth loss and types of bridges
6	Interim restoration (custom-made)
7-9	Pontics
10-12	Connectors

Second Semester

1-2	Framework design and metal selection
3	Color and shade selection
4	Porcelain application for PFM
5-7	Restoration of endodontically treated teeth
8-9	Occlusion
10	Articulation
11	Revision

Technology of Endodontics

Course Title	Technology of Endodontics	
Course Code	TDEN 03:06	
Academic Year	2016-2017	
Coordinator	Prof. Dr.HatemElhedeny	
Teaching Staff	Dr. HatemElhediny, Dr. AbeerDarrag, Dr. Ashraf AbdElmohsen, Dr. Neveenshahin,Dr. walaaghonien	
Branch / Level	third year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	1 h lectures
	Practical	2 h practical
Parent Department	Endodontics	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
Week no. 1	Endodontic course specification(course aim ,contents ,student assessments , ILOS) and generalized morphological characterization.
Week no. 2 Week no. 3 Week no. 4	Anatomical considerations (internal tooth anatomy)
Week no. 5 Week no. 6	Access cavity preperation
Week no. 7 Week no. 8	Basic and modified endodontic instruments
Week no. 9 Week no. 10	advanced endodontic instruments
Week no. 11	Working length determination (radiograph and apex locators)
Week no. 12	Chemical aids in endodontics
Week no. 13 Week no. 14 Week no. 15 Week no. 16	Biomechanical root canal preparation (hand and rotary)
Week no. 17	Quiz 1
Week no. 18	Tooth isolation
Week no. 19 Week no. 20 Week no. 21 Week no. 22	Conventional and advanced root canal obturation
Week no. 23	sterilization

Oral Diagnosis

Course Title	Oral Diagnosis	
Course Code	TDEN 03:07	
Academic Year	2016- 2017	
Coordinator	Dr Hoda El Gendy	
Teaching Staff	Dr. Hussein Saudi, Dr Hoda El Gendy , Dr.Ebtessam El Zefzaf, Dr Shereen Abdel Moula, Dr Malak Mohammed, Dr. Sahar ghoraba. Dr. Mohammed Abdallah & Dr. Abdel Aziz Saeed	
Branch / Level	Third	
Semester	First and second	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	25 x 1 h lectures
	Practical	24 x 2 h practical
Parent Department	Oral Medicine, Periodontology, Oral diagnosis & Radiology	
Date of Approval – Date of revision	Faculty Council on: 27/11/2016	

Course Contents

Weeks	Topics
1	Patient history
1	Extra-oral examination
1	Intra-oral examination
1	Examination Techniques
1	Lymph nodes examination
2	Dental charting
2	Laboratory aids to diagnosis
1	Oral biopsy
2	Comprehensive treatment plan
2	Peripheral oral exophytic lesions
2	Advanced diagnostic techniques
1	Basic life support
1	Emergency kit
1	Differential diagnosis of ulcers
1	Differential diagnosis of white lesions
1	Differential diagnosis of dental & non-dental pain
1	Differential diagnosis of cysts
1	Masses in the neck
2	Dental Management of the Medically Compromised Patient

Oral Radiology

Course Title	Oral Radiology	
Course Code	TDEN 03:07	
Academic Year	2016-2017	
Coordinator	Dr.Ebtessam El zefzaf	
Teaching Staff	Dr Hoda El Guindy, Dr Hussein Saudi ,Dr Malak Mohammed, , Dr Shereen abdel Moula	
Branch / Level	Third	
Pre- Requisite	B.D.S	
Course Delivery	Lecture	19 x 1 h lectures
	Practical	24 x 2 h practical
Parent Department	Oral Medicine, Periodontology, Oral diagnosis & Radiology	
Date of Approval – Date of revision	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Radiation Physics & Characteristics
1	Radiation Biology & Protection
1	Dental X-Ray Equipment & Film
1	Dental X-Ray Characteristics
1	Dental X-Ray Film Processing
1	Paralleling Technique
1	Bisecting Technique
1	Bite-wing Technique
1	Exposure and Technique Errors
1	Occlusal and Localization Technique
1	Panoramic Radiography
1	Extraoral Radiography
1	Digital Radiography
1	Normal Anatomy – Intraoral & Panoramic Films
1	Introduction to Radiographic Interpretation & Descriptive Terminology
1	Interpretation of Bone cyst
1	Interpretation of Bone tumors
1	Interpretation of Bone diseases
1	Interpretation of Periodontal Disease and Trauma and Pulpal and Periapical Lesions

Prosthodontics

Course Title	Prosthodontics	
Course Code	TDEN 03:08	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Ali El-Sheikh	
Teaching Staff	Prof. Dr.Hoda Amin, Prof. Dr. Eman Shakel, Prof. Dr. Nahed Kashef, Prof. Dr. Ali El-Sheikh, Ass.Prof. Dr. Safaa Asal, Dr. Said Abd Allah, Dr. Ahmed Mohie.	
Branch / Level	Third year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	25 x 2h lectures
	Clinical	24 x 3h clinical
Parent Department	Prosthodontic Department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Introduction of complete denture.
2	Infection control
3,4	Diagnosis and patient assessment.
5	Impression of complete denture.
6	Clinical significance of Mandibular movements
7	Recording jaw relation- ship of complete denture.
8	Clinical uses of Articulators
9	Face bow
10	Try in of complete denture.
11	Delivery of complete denture.
12	Occlusal Disharmony
13	Complaints of complete denture.
14	Complaints of complete denture.
15	Introduction and scope of maxillofacial prosthesis.
16	Clinical significance of Retention, support and stability of complete denture.
17,18	Immediate denture
19	Relining and rebasing of complete denture from the clinical point of view
20	Splints.
23	Obturator
24	Stents
25	Radiation

Pedodontics* , Oral Health & Preventive Dentistry

Course Title	Pedodontics* , Oral Health & Preventive Dentistry	
Course Code	TDEN 03:09	
Academic Year	2016-2017	
Coordinator	Prof. Nagwa Ghoname	
Teaching Staff	Prof. Amina El Hossary Prof. Fatma El handawy, Prof. Nagwa Ghoname, Prof. Nahed Abdel mageed .	
Branch / Level	Third year	
Semester	One academic year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 1 h lectures
	Practical	24 x 3 h clinical
Parent Department	Pedodontic, Oral Health & Preventive Dentistry	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1,2,3	Restorative dentistry in children
4	Stainless steel crown procedures.
5,6, 7	Pulp therapy in primary and young permanent teeth
8,9,10	Management of Traumatic injuries to anterior teeth
11,12,13	Dental management of children with special needs
14	Practice management
	Exam
15,16	Dental ethics
17	Pain control
18, 19	Exodontia
20,21,22	Gingival and periodontal diseases in children
23,24	Developmental anomalies of dentition

Pedodontics, Oral health and preventive Dentistry

Course Title	Pedodontics, Oral health and preventive Dentistry*	
Course Code	TDEN 03:09	
Academic Year	2016-2017	
Coordinator	Prof. Hatem Amin	
Teaching Staff	Dr. Hatem Amin Dr Ahmed Eldosoky.	
Branch / Level	Third year (new)	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	25 x1 h lectures
Parent Department	Pedodontics, Oral health and preventive Dentistry	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

week	Topic	No of Hours
1	Introduction	1
2-3	Infection control	2
4-5	Epidemiology of Dental caries	2
6	Measurement of Dental Caries	1
7	Fissure Sealant	1
8-9	Fluoride	2
10	Dental Fluorosis	1
11	Caries Risk Assessment and Caries Activity Testing	1
12	Atraumatic Restorative Treatment (ART) and Preventive Resin Restoration (PRR)	1
13-14	Prevention of Dental Caries	2
	Examination	
15-16	Epidemiology of Periodontal Disease	2
17-18	Measurement of Periodontal Disease	1
19	Periodontal Disease Risk Assessment	1
20-21	Prevention of Periodontal Disease	2
22	Oral Health Care for Special Groups	1
23-24	Forensic dentistry	2
25	Minimal intervention dentistry	2
	Examination	

Orthodontics

Course Title	Orthodontics	
Course Code	TDEN 03:10	
Academic Year	2016-2017	
Coordinator	Prof. Safaa Ghobashy	
Teaching Staff	Prof .Eman El-Shourbagy - Prof.Mahmoud El-Shenawy - Prof. Safaa Mokhtar - Prof. Safaa Ghobashy - Dr.shaima El-marhomy Dr. Neveen Fakhry	
Branch / Level	Third year	
Semester	First & Second semester	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 1 h lectures
	Practical	24 x 2 h practical
Parent Department	Orthodontics	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1,2,3,4,5	Orthodontic Examination and diagnosis
6,7,8	Biology of tooth movement
9,10,11	Preventive, interceptive orthodontics and Minor tooth movement
12,13	Principles of orthodontic Appliances
	Exam
14, 15	Methods of space gaining
16,17	Therapeutic extraction
18,19	Anchorage
20,21,22	Retention& relapse
23,24	Materials used in orthodontics

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FOURTH YEAR

Conservative Dentistry

Course Title	Conservative Dentistry	
Course Code	TDEN 04:01	
Academic Year	2016-2017	
Teaching Staff	Dr.Ali Ibrahim, Dr.Hussin Yehia, Dr.Mostafa Hasan, Dr.Wedad Etman, Dr.Thuraia Genaid, Dr.Magda El-Eraky, Dr.Reham Atteia	
Coordinator	Prof. Dr.Ali Ibrahim	
Internal Evaluator	Prof. Dr.Hussin Yehia	
Branch / Level	Fourth year	
Semester	First & Second semester	
Pre-Requisite	BDS	
Course Delivery	Lecture	26 x 2 h lectures
	Practical	26 x 4 h practical
Parent Department	Conservative Dentistry	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
Week1-4 Dr:Ali	Adhesion and Adhesive Material *Definition *Factors affecting *Mechanism of action *Generations of Adhesive Material
Week 5-6 Dr:Mostafa	posterior composite
Week 7-9 Dr.Reham	Recent advances in Composite restoration
Week 10-12 Dr:Magda	Caries Assessment and management *Noninvasive *Microinvasive *Minimally invasive *Invasive
Week 13-15 Dr:Magda	Management of discolored teeth *bleaching *lamine *Esthetic consideration
Week 16-17 Dr.Thuraia	Etiology, diagnosis and management of non-cariou lesion: (non-esthetic & esthetic restorative methods)
Week 18-20 Dr:Wedad	Management of badly destructed teeth *Tooth preparation *retention methods *pin retained restoration *bonded restoration *tooth colored inlay & onlay
Week 21-23 Dr.Hussin	Microleakage of dental restoration *Etiology *Manifestations *prevention
Week 24-26 Dr.Reham	Failure of dental restorations *Manifestations *Etiology *Management of failed dental restorations

crown & Bridge

Course Title	crown & Bridge	
Course	TDEN 04:02	
Academic	2016-2017	
Coordinator	Prof. Dr. W. Elshahawy	
Teaching	Dr. A Korsel, Dr W. elshahawy	
Branch /	Fourth year	
Semester	First & Second semester	
Pre-	B.D.S	
Course Delivery	Lecture	24x 2 h. lectures
	Practical	24x 4 h .practical
Parent	crown & Bridge	
Date of	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Curriculum and Grading
2,3	Diagnosis
4	Treatment Planning
5	Mouth preparation
6	Tissue Management
7	Impression Technique
8,9	Periodontal Consideration
	Quiz
10,11	Esthetic Considerations
12	Try in
13	Revision
	Mid-year theoretical exam
14	Management of Endodontically-treated Teeth
15	Cements & Cementation
16	Post-operative Care
17	Post-insertion Problems & Failure
18	Porcelain Laminate Veneer
	Quiz
19,20	All-ceramic Restorations
21	Fiber-reinforced Composite FDP
22	Resin-bonded Restoration
23	Implant-supported fixed prosthesis
24	Problem Solving in Fixed Prosthodontics

Endodontics

Course Title	Endodontics	
Course Code	TDEN 04:03	
Academic Year	2016-2017	
Coordinator	Prof. Dr. AbeerDarrag	
Teaching Staff	Dr. HatemElhedeny, Dr. AbeerDarrag Dr.neveenshahin .Dr. walaaghonien, Ashraf AbdElmohsen	
Branch / Level	Fourth Year	
Semester	First & Second	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	1 h lectures
	Practical	2 h practical
Parent Department	Endodontics	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
Week 1	Case Control
Week 2	
Week 3	
Week 4	
Week 5	Recent advances in root canal disinfection
Week6	Etiology of pulp inflammation
Week 7	Pulp &periapical changes
Week 8	
Week 9	Endodontic Emergency
Week 10	Endo-perio lesions
Week 11	Combined Endo-Perio therapy
Week 12	New modalities and techniques for vital pulp therapy
Week 13	Treatment of immature teeth
Week 14	Root end surgical procedures
Week 15	Non vital tooth bleaching
Week 16	Quiz
Week 17	Traumatic injuries
Week 18	
Week 19	
Week 20	
Week 21	Success and failure
Week 22	New modalities of rotary instrumentation
Week 23	Advanced technology for endodontic retreatment
Week 24	

Oral and Maxillofacial Surgery

Course Title	Oral and Maxillofacial Surgery	
Course Code	TDEN 04:04	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Mohamed Saad Khder.	
Teaching Staff	Prof.Dr. Mohamed Monay Shoshan, Prof.Dr. Abdelfattah Sadaka, Prof.Dr. Mohamed Saad, Prof.Dr. Mohamed Hussien, Dr. Samir Abd elaal,Dr. Mohamed Elshall. Dr. Khaled Saad, Dr Mahmoud Khalifa,Dr. Ibrahim Noair, Dr. Ahmed Sanad, Dr. Emad Faheem, Dr. Rafik Ramadan	
Branch / Level	Fourth year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	24 x 3 h lectures
	Practical	26 x 3 h practical
Parent Department	Department of Oral & Maxillofacial surgery.	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Weeks	Topics
1,2	Preprosthetic surgery.
2,3	Diagnosis & treatment of cysts of the oral cavity.
4,5	Diagnosis & treatment of oral hard & soft tissues infections.
6	Dental Implantology.
7,8	Diagnosis & treatment of tumors of the oral cavity.
	Med-term Exam.
9	Salivary gland diseases.
10	Maxillary sinus affection.
11.12	Differential Diagnosis & treatment of oral lesions.
13,14	Cleft lip & palate
	Exam
15,16, 17, 18, 19,	Traumatic injuries.
	Med term exam.
20	TMJ diseases & oro-facial pain
21	Classification & diagnosis of facial deformity
22	Surgical correction of facial deformity.
23	Repair of soft tissue defects & replacement of bone.
24	Complications of oral & maxillofacial surgery.
	Exam

Oral Medicine

Course Title	Oral Medicine
Course Code	TDEN 04:05
Academic Year	2016- 2017
Coordinator	Dr Shereen Abdel Moula Ali
Teaching Staff	Dr Adel Aziz Saeed, Dr Hussein Saudi, Dr Lubna El Gamal, Dr Omima Heilmy, Dr Abdel Mohsen, Dr Shereen Abdel Moula, Dr Sahar ghoraba.
Branch / Level	Fourth year
Pre-Requisite	B.D.S
Course Delivery	Lecture 24 x 2 h lectures
	Practical 24 x 2 h practical
Parent Department	Oral Medicine, Periodontology, Oral diagnosis & Radiology
Date of Approval-	Faculty Council on: 27/11/2016

Course Contents

Weeks	Topics
1-2	Infectious Diseases
3-4	Red and White Lesions of the Oral Mucosa
5-6	Immunologic Diseases I
7-8	Vesiculo-Bullous and Ulcerative Lesions of the Oral Mucosa
9	Diseases of the tongue
10-11	Tempromandibular Disorders
12	Pigmented Lesions of the Oral Mucosa
13-14	Bleeding and Clotting Disorders
-15	Nutrition
16-17	Endocrine Disease
18-19	Diabetes Mellitus
20	Halitosis
21	Salivary Gland Diseases
22-23	Hematologic Diseases
24	Orofacial Pain &Headache

Periodontology

Course Title	Periodontology	
Course Code	TDEN 04:05	
Academic Year	2016-2017	
Coordinator	Dr. Omima Helmy	
Teaching Staff	Dr Samia Darwish, Dr Hussein Saudi , Dr. Amal el Hessy, Dr. Mona Yehia, Omaima Helmy ,Dr Mohamed Nassar, Dr.Hoda El Gendy & Dr. Malak Mohammed & Dr. Fatma El Nomany	
Branch / Level	Fourth year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	26 x 2h lectures
	Practical	24 x 2h practical
Parent Department	Oral Medicine, Periodontology, Oral diagnosis & Radiology	
Date of Approval-	Faculty Council on: 27/11/2016	

Course Contents.

No of Weeks	Topics
1	1. Classification of Diseases and Conditions Affecting the Periodontium
1	2. From Gingivitis to periodontitis
1	3. The Role of Dental Calculus and Other Predisposing Factors
1	4. Scaling and Root Planing Sonic and Ultrasonic Instrumentation Supragingival and Subgingival Irrigation
1	5. Risk factors in periodontal disease
1	6. Chronic periodontitis
1	7. Periodontal Pocket
1	8. Aggressive Periodontitis
1	9. Gingival Enlargement
1	10. The Acute Gingival Infections
1	11. Periodontal abscess
1	12. Periodontal Response to External Forces
1	13. Determination of Prognosis
1	14. Treatment Plan
1	15. Microbial Interactions with the Host in Periodontal Diseases
1	16. Chemotherapeutic and Host Modulation Agents as adjuncts to periotherapy
1	17. Supportive Periodontal Treatment - Results of Periodontal Treatment
1	18. General Principles of Periodontal Surgery - Gingival Surgical Techniques
1	19. The Periodontal Flap – The Flap Technique for Pocket Therapy
1	20. Resective Osseous Surgery – Bone Loss and Patterns of Bone Destruction
1	21. Reconstructive Periodontal Surgery

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1	22. Furcation: Involvement and Treatment
1	23. Periodontal Plastic and Esthetic Surgery
1	24. Basic principles of oral implantology
1	25. Management of implant complications
1	26. Evidence based in periodontology

Prosthodontics

Course Title	Prosthodontics	
Course Code	TDEN 04:06	
Academic Year	2016-2017	
Coordinator	Prof. Dr. Fadel Al Saeid	
Teaching Staff	Prof. Dr.Hoda Amin Rashad, Prof. Dr. Eman Shakel, Prof. Dr. Fadel Al Said, Prof. Dr. Atteia El Gendy, Prof.Dr.Zeinab Alshorbagy,Prof.Dr.Ali-Elsheikh,Prof.Dr.M.Ma'moun, Ass.Prof.Dr.Faten Abotaleb ,Ass.Prof.Dr. Safaa Asal.	
Branch / Level	fourth year	
Pre-Requisite	B.D.S	
Course Delivery	Lecture	25 x 2h lectures
	Clinical	24 x 6h clinical
Parent Department	Prosthodontic Department	
Date of Approval	Faculty Council on: 27/11/2016	

Course Contents

Week	Topics
1	Introduction and diagnosis for partial denture.
2	Diagnosis and treatment planning for partial dentures.
3	Mouth preparation
4	Impression techniques for R.P.D
5	Occlusal relationships for R.P.D
6,7	Class I
8	Class II
9	Class III
10	Class IV
11	Try in & insertion for R.P.D
12	Complaints
13	Tissue damage
14	Repair & relining of R.P.D
15	Geriatric patients
16,17,18,19	Implant prosthesis
20	Single denture
21	Over denture & Submerged root
22	Neutral zone
23	Occlusion for complete denture
24	Support for R.P.D
25	Design for R.P.D