



Para-Medical Program

Specialization	Common
Course Number	21113101
Course Title	First Aids
Credit Hours	(3)
Theoretical Hours	(2)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is designed to introduce the student into emergency medical care providing him with the knowledge and skills that make him able to do patient assessment and choose first aid priorities and the more suitable instruments which allow him to manage airway obstruction, shock and bleeding, soft-tissue injuries (wounds), soft tissue injuries (Burns) trauma and fractures, medical emergency (allergies reaction) and medical emergency (poisoning) and, environmental emergency, and altered mental status, It also introduces him to the skills needed for doing CPR.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. The general rules, ethics and basis of First Aid.
2. How to examine and assess the causality safely and effectively.
3. How to deal with common first Aid Emergency.
4. How to assess many varying emergency situations to determine what kind of patient care is needed and to provide the necessary care.
5. How / CPR is done safely.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Introduction	<ul style="list-style-type: none"> ▪ Introduction to emergency medical care ▪ Definition of first aid ▪ Equipments and supplies ▪ Medical, legal and ethical issues 	
2.	Patient assessment	<ul style="list-style-type: none"> ▪ primary survey ▪ Secondary survey for patient (trauma) ▪ Baseline vital signs 	
3.	The air way	<ul style="list-style-type: none"> ▪ oxygen sources ▪ Equipment for oxygen delivery ▪ Masks ▪ Airway accessories ▪ Suction 	
4.	Shock and bleeding	<ul style="list-style-type: none"> ▪ definition ▪ Assessing shock ▪ Causes, classification ▪ Emergency care for shock ▪ Types of bleeding ▪ Emergency care for bleeding ▪ Bleeding from (ears, nose, and mouth) and emergency care 	
5.	Soft – Tissue Injuries (wounds)	<ul style="list-style-type: none"> ▪ definition ▪ Closed injuries ▪ Open injuries ▪ Emergency for soft-tissue injuries (dressing and bandages) 	
6.	Soft tissue injuries (burns)	<ul style="list-style-type: none"> ▪ Definition. Classification, and Causes ▪ Severity of Burns ▪ Emergency medical Care for Burn Patients 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

7.	Trauma And Fractures	<ul style="list-style-type: none"> ▪ Fractures and Dislocation, Causes and Diagnosis ▪ Emergency Care for patients with Fractures ▪ Splinting, Principles of splinting, Equipments ▪ Spinal cord injury Assessment Signs and Symptoms ▪ Emergency Medical Care of the Spine – Injured Patient 	
8.	Medical Emergency (poisoning)	<ul style="list-style-type: none"> ▪ Assessment of allergies Reactions ▪ Cause, signs and symptoms ▪ Emergency medical care for patients with Allergies Reaction 	
9.	Medical Emergency (poisoning)	<ul style="list-style-type: none"> ▪ History of poisoning ▪ Types , signs and symptoms ▪ Use of activated charcoal 	
10.	Environmental Emergency	<ul style="list-style-type: none"> ▪ Heat stroke, Heat Exhaustion, Heat cramps (Definition, Diagnosis, Management) ▪ Hypothermia (Signs and Symptoms, Emergency care) ▪ Drowning 	
11.	Altered Mental Status	<ul style="list-style-type: none"> ▪ Diabetic Emergency ▪ Seizures ▪ Emergency care of patients with Altered Mental status 	
12.	Airway Obstruction	<ul style="list-style-type: none"> ▪ Choking – Heimlich Manoeuvre (Adults, Children) ▪ Choking 	
13.	CPR	<ul style="list-style-type: none"> ▪ CPR (Adults, Children) ▪ CPR (Infants) 	
14.	First Aid priorities	<ul style="list-style-type: none"> ▪ Case classification & triage 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

1. Lectures.
2. Slides and posters.
3. Dolls Models.
4. Practice inside labs.
5. Training visits

Text Books & References:

1. د. قطاش، رشيدى حمدان وقطاش، أحمد حمدان وحسن، نوال، الاسعافات الاولية - الطبعة الأولى، مؤسسة الوراق للتوزيع والنشر، 2004م
2. د. الصفدي، عصام، الاسعافات الأولية، الأردن - الطبعة الأولى، دار اليازوري العلمية للنشر، 2001م.
3. د. فريجات، حكمت عبد الكريم والحمود، محمد طه ود. أبو الرب، صلاح، أسس الإسعاف الأولي والفوري، 1991
4. First Aid. Taking Action MCGRAWII, NSC, 2007.
5. First Aid. CPR And AED, JONES AND BARTLETT, Thygerson, 2005.
6. First Aid. CPR, And AED Essentials. 41, AMERICAN COLLEGE OF. EMERG. Phy, 2005.
7. Airway Management Paramedic, Jones And Bartlett, Margolis, 2004
8. First Aid Manual, DK PUB, 2002
9. American Medical Association, Hand Book Of First Aid & Emergency Care, 2000

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110155
Course Title	Oral Microbiology and Infection Control
Credit Hours	(3)
Theoretical Hours	(3)
Practical Hours	(0)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is designed to provide the student with the basic knowledge about the groups of the oral microorganisms and the different kinds of pathogenic bacteria and their influence on the tissue of the mouth. It also introduces the students to the basis of immunity in the body .Moreover, the course deals with infection control taking into consideration the methods of infection control (sterilisation and disinfection) .Emphasis is put on the steps of sterilisation and sterilisation of instruments in hepatitis cases to prevent the occurrence of Infection.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Determine the factors affecting the normal bacterial growth.
2. Know the kinds of microorganisms which live inside the mouth and causes diseases.
3. Be oriented with the preventive measures against the mouth infection by pathogen.
4. Know the plaque: its formation, chemical characteristics and organization.
5. Understand the relationship between the some intimal disease and the oral microorganism.
6. Describe different kind of microorganisms and know each type.
7. Know the methods of infection control
8. Know sterilisation (disinfection steps of sterilisation).
9. Know prevention of the occurrence of infection.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	The mouth as an organ	<ul style="list-style-type: none"> ▪ The mouth as suitable environment for microbial living ▪ Factors affecting the microbial growth in the mouth 	
2.	Normal Flora	<ul style="list-style-type: none"> ▪ Bacteria ▪ Protozoa ▪ Viruses ▪ Yeasts ▪ Micro plasma 	
3.	distribution & attachment of bacteria	<ul style="list-style-type: none"> ▪ Human normal oral flora ▪ Distribution of normal oral flora ▪ Factors influence the oral flora ▪ Factors influence the attachment ▪ Mechanisms of attachment 	
4.	Dental Plaque	<ul style="list-style-type: none"> ▪ Plaque development ▪ Environmental interference ▪ Chemical Characteristics for the plaque ▪ Plaque-periodontal disease interface 	
5.	Diseases which are caused by the oral micro-organisms	<ul style="list-style-type: none"> ▪ Periodontal diseases ▪ Dental caries ▪ Oral diseases ▪ Candidiases ▪ Other infections 	
6.	Samples collecting	<ul style="list-style-type: none"> ▪ Rules for collection ▪ Methods of sample preservation and transport ▪ Swabs from pulp canal, plaque and other sites 	
7.	Infection control	<ul style="list-style-type: none"> ▪ introduction to infection control ▪ Methods of infection control ▪ sterilisation ▪ disinfection 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

		<ul style="list-style-type: none"> ▪ steps of sterilisation ▪ sterilisation of instruments in hepatitis cases ▪ self and other personnel protection ▪ equipments 	
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Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Microbiology Richard Harvey, Pamela, Champe Bruce D. Fisher 2007 PP438
2. Burton's Microbiology Paul Engel Kirk, Gwendolyn Buroon 2007 390PP.
3. Microbiology, Geraral Tortora, Berdell Funke Christin Case 1000PP. 18JD 2007.
4. Rutherford, Colleen J., Differentiating Surgical Instruments, Spiral Binding, 2005
5. Samaranyake, L.Essential Microbiology for Dentistry.
2nd ed. Toronto: Churchill Livingstone, 2003.
6. Bagg, J, MacFarlane, T.W., Poxton, I.R., Miller, C.H., & Smith A.J.
Essentials of Microbiology for Dental Students.
New York, NY: Oxford University Press, 1999, Reprinted 2002, 2003.
7. Rusell, Barbara S., Infection Control And OSHA Essential, Health Studies Institute, 2002

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110141
Course Title	Conservative Dentistry
Credit Hours	(2)
Theoretical Hours	(1)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course presents the basic principles of conservative dentistry; restoration of destructed dentition and root canal treatment.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Emphasis is generally placed on the understanding of the various types of filling materials used in treating destructed teeth.
2. Provide the student with the basic knowledge about root canal treatment
3. Provide the student with the basic knowledge about crown-bridge, inlays and onlays.
4. Provide the student with the basic knowledge about the manufacturing ways of space maintainer and metal crowns for children.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Dental Fillings	<ul style="list-style-type: none"> ▪ Classification of dental fillings <ul style="list-style-type: none"> – Anterior Fillings – Posterior Fillings 	
2.	Pulp therapy for teeth	<ul style="list-style-type: none"> ▪ Pulp therapy in permeant teeth ▪ Pulp therapy in primary teeth 	
3.	Crown-bridge, Inlays, and Onlays	<ul style="list-style-type: none"> ▪ Types of crowns and ways of their manufacturing ▪ Types of Bridges and ways of their manufacturing ▪ Inlays and onlays 	
4.	Space Maintainer and metal crowns for children	<ul style="list-style-type: none"> ▪ Manufacturing ways of space maintainer and metal crowns for children ▪ Ways of looking after the space maintainer and metal crowns for children 	

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

References:

1. Restorative dental materials / edited by Robert G. Craig, John M. Powers.-11th ed. 2002.
2. Roberson, Theodore M., (and others), eds. Sturdevant's Art and Science of Operative Dentistry. Fourth ed. St. Louis: Mosby, 2002.
3. Sturdevant's art and science of operative dentistry. II. Title: Art & science of operative dentistry. III. Roberson, Theodore M. IV, Heymann, Harald. V Swift, Edward J. VI. Sturdevant, Clifford M. VII. Art and science of operative dentistry. 2001
4. Advances in operative dentistry: contemporary clinical practice /edited by Jean-Francois Roulet, Nairn H.F. Wilson, Massimo Fuzzi. 2001
5. Schwartz, Richard S., (and others). Fundamentals of Operative Dentistry: A Contemporary Approach. Chicago: Quintessence Pub., 1996.
6. Cohen, Stephen, and Burns, Richard C., eds. Pathways of the Pulp. 8th ed. St. Louis: Mosby, 2002.
7. Ingle, John Ide (and others). Endodontics. 5th ed. Baltimore: B C Decker, 2002.
8. Shillingburg, Herbert T. (and others). Fundamentals of Fixed Prosthodontics. 3rd ed. Chicago: Quintessence, 1997



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110151
Course Title	General and Oral Medicine
Credit Hours	(3)
Theoretical Hours	(3)
Practical Hours	(0)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Brief Course Description:

- ❖ This course presents the basic principles of general and oral medicine applied in treating the more common or typical diseases of the various systems of the body. Materials are presented in a system by system approach. Bacterial Diseases, viral Diseases, blood diseases (or blood disorder), nutritional diseases heart & Blood vessels diseases, Nervous System diseases, allergic diseases and gastro – intestinal diseases are discussed in a simple way. Finally , the course deals with mucosal infection and jaws disease.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Emphasis is generally placed on the understanding of the various disease processes, and on medical and pharmacologic treatment, rather than on diagnosis of disease.
2. Provide the student with the basic knowledge about the various diseases affecting different systems of the body.
3. Provide the student with the basic knowledge about the proper dental medical management of the total patient.



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Internal disease that can be diagnosed through oral cavity	<ul style="list-style-type: none"> ▪ Bacterial Diseases ▪ Viral Diseases ▪ Blood diseases (or blood disorder) ▪ Nutritional diseases 	
2.	Treatment of Medically compromised patient	<ul style="list-style-type: none"> ▪ Heart & Blood vessels diseases ▪ Nervous System diseases ▪ Allergic diseases ▪ Gastro – intestinal diseases 	
3.	Oral Medicine	<ul style="list-style-type: none"> ▪ Mucosal infection ▪ Recurrent aphthous ulcers ▪ Lichen planus ▪ Jaws disease 	

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Tierney, Lawrence M. Saint, Sanjay Whool. Current Essentials of Medicine for the PDA. Publisher: McGraw-Hill,2007
2. Regezi, Joseph A., and Sciubba, James. Oral Pathology: Clinical Pathologic Correlations.4th ed. St. Louis,MO: Saunders, 2003.
3. Cawson, RA and Odell EW. Cawson's essentials of oral pathology and oral medicine.7th ed. Churchill Livingstone, 2002.
4. Wood, Norman K. (Norman Kenyon), Review of diagnosis, oral medicine, radiology, and treatment, planning / Norman K. Wood.-4th ed. 1999.





Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110153
Course Title	Anatomy of the Head and Teeth
Credit Hours	(2)
Theoretical Hours	(2)
Practical Hours	(0)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is designed to provide the student with the basic knowledge about the development, of the anatomy of oral cavity, face, Jaws, teeth, skull bones, and the muscles of facial expression and mastication. Also the course deals with the blood vessels of oral cavity and the nerves of oral cavity. Moreover, it deals with Teeth formation, composition, eruption and classification. Anatomical morphology of permanent and deciduous dentitions is the focus of this course.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Describe Skull Bones, Muscles of facial expression & mastication.
2. Describe Blood Vessels of oral cavity.
3. Describe Nerves of oral cavity.
4. Describe and distinguish between permanent and deciduous dentition.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Development of oral cavity, face & Jaws	– Development of oral cavity, face & Jaws	
2.	Description anatomy	<ul style="list-style-type: none"> ▪ Skull Bones ▪ Muscles of facial expression & mastication ▪ Blood Vessels of oral cavity ▪ Nerves of oral cavity 	
3.	Teeth	<ul style="list-style-type: none"> ▪ Permanent & deciduous dentition ▪ Systems of numbering the teeth ▪ Tooth formation & composition ▪ Eruption & classification of teeth ▪ Anatomical morphology of permanent and deciduous dentitions 	

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Brand, R.W. & Isselhard, D.E. Anatomy of Orofacial Structures. 7th ed. St. Louis, MO: Mosby, 2003.
2. Berkowitz, B.K.B., Holland, G.R. & Moxham, B.J. Oral Anatomy, Histology and Embryology. 3rd ed. Toronto, Mosby, 2002.

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110221
Course Title	Preventive Dentistry 1
Credit Hours	(3)
Theoretical Hours	(1)
Practical Hours	(6)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course introduces the student to the component of preventive dentistry. the course will provide the students with the theoretical and practical skills of preventive dentistry at both the public health and individual patient care levels. Emphasis is put on the methods and ways of dental survey and practical application in schools .The course focuses on the principles of planing and how to apply the preventive programs and fluoride application in the dental clinic. The application of fluoride mouthwashes on groups scaling and root planing fissure sealant application making dental surveys and written reports an introductory course that presents the etiology and Philosophies of primary, secondary and tertiary prevention.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Emphasis is generally placed on the understanding of the various steps in the prevention of dental diseases.
2. Provide the student with the basic knowledge about theoretical and practical fluoride application and methods of tooth brushing
3. Provide the student with the basic knowledge about the methods and ways of dental survey and practical application in schools
4. The development and maintenance of dental disease programs are addressed as they relate to communicating with, educating and motivating patients



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Fluoride	<ul style="list-style-type: none"> ▪ water fluoridation ▪ topical fluoride ▪ fluoride mouth washes ▪ tooth past ▪ quality and cost 	2 Weeks
2.	brushing	<ul style="list-style-type: none"> ▪ mechanical tooth brushing and applying that on groups ▪ the role of brushing in prevention of oral and dental diseases ▪ plaque control ▪ fissure sealant in prevention of occlusal caries 	3 Weeks
3.	Dental survey	<ul style="list-style-type: none"> ▪ methods and ways of dental survey and practical application in schools ▪ principles of planing and how to apply the preventive programs 	1 Week
4.	Clinical practice	<ul style="list-style-type: none"> ▪ fluoride application in the dental clinic ▪ application of fluoride mouth washes on groups ▪ scaling and root planing ▪ fissure sealant application ▪ making dental surveys and written reports and planing preventive programs 	3 Weeks

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

Reference:

1. The Prevention of Oral Disease Fourth Editiott Edited by J. J. Murray CBE, J. H. Cowel, C. Sheiham, A. Promoting Dental Health. London. King Edward Hospital Fund. 1981.
2. Murray, J. Dental Practioner Hadbook : Fluorides In Caries Prevention. England Wright & Sons LTD. 1976.
3. Slack, G(ed). An Introducation to Community Dentistry., U.K. Bristol Wright & Sons LTD. 1981.
4. World Health Organization. Fluoridation & Dental Health. Geneva. WHO. 1969.
5. World Health Organization Planning and Evaluation. Of oral Health Services Genev. WHO. 1980.
6. World Health Organization Planning and Evaluation of Public Dental Health Services. Geneva. WHO. 1976.
7. Forensic Dintistry WhitkerNunn, J. G. Steele, OX-FORD, 2003

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110231
Course Title	Periodontology 1
Credit Hours	(2)
Theoretical Hours	(2)
Practical Hours	(0)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This basic course in Periodontics introduces the students to the gross and histological features of the normal periodontium. Emphasis is placed on the recognition of the periodontal lesions with an understanding of all the etiologic factors involved in the initiation and the progression of periodontal diseases

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Stress need to formulate a logical sequence of therapy based on sound biologic principles and on information obtained from a thorough clinical and radiographic examination.
2. Overview of all current and accepted treatment procedures, both surgical and non-surgical, are presented.
3. Demonstrations of clinical procedures will include patient management, proper aseptic procedures and selected surgical procedures



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	The tissues of the periodontium	<ul style="list-style-type: none"> ▪ Introduction to the tooth supporting structures ▪ Descriptive anatomy and histology of the gingiva ▪ Descriptive anatomy and histology of the periodontal ligament ▪ Descriptive anatomy and histology of the cementum ▪ Descriptive anatomy and histology of the alveolar bone 	
2.	Aetiology and pathogenesis of the periodontal diseases	<ul style="list-style-type: none"> ▪ Periodontal microbiology (normal flora and dental plaque) ▪ Host-bacterial interactions in the periodontal diseases ▪ The role of calculus in the etiology periodontal diseases ▪ The role of faulty dentistry and other local factors in periodontal diseases ▪ The role of morph functional occlusal factors in periodontal diseases ▪ Nutritional influences on the periodontium ▪ Endocrinology influences on the periodontium ▪ Heamatologic and other influences on the periodontium 	
3.	Classification of periodontal diseases	<ul style="list-style-type: none"> ▪ Correlation of the normal clinical and microscopic features of the gingiva (color, size, contour, shape, consistency, surface texture and position) ▪ Changes in the normal clinical and microscopic features of the gingiva 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

		<p>(color, size, contour, shape, consistency, surface texture and position)</p> <ul style="list-style-type: none">▪ Signs and symptoms of gingival diseases▪ Plaque induced gingivitis▪ Non-plaque induced gingivitis▪ Acute gingival infections (necrotizing ulcerative gingivitis, gingival abscess and primary herpetic gingivostomatitis)▪ Menopausal and post menopausal gingivitis▪ The gingival changes in relation to puberty, menstruation and pregnancy▪ Desquamative gingivitis▪ Pericoronitis▪ Gingival enlargement▪ Gingival recession▪ Classification of periodontal diseases (chronic and aggressive periodontitis)▪ Signs and symptoms of periodontal diseases.▪ Periodontal pocket (classification, signs and symptoms)▪ Furcation involvement▪ Mobility of teeth and pathologic migration.▪ Periodontal abscess▪ Periodontal-endodontic interface▪ Periodontal-restorative interface▪ The pathologic relation between pad and tissue surrounding the tooth and the different compensation	
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Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Newman, M.G., Takei, H.H., and Carranza, N.T. Carranza's Clinical eriodontology 10th ed. Philadelphia, PA: W.B. Saunders Company, 2006.
2. Lindhe, J., Karring, T. and Lang N.P. Clinical Periodontology and Implant Dentistry.4th ed. Blackwell Munksgaard, 2004 .
3. Nield-Gehrig, J.S. Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation.5th ed. Baltimore, MA: Lippincott Williams & Wilkins, 2004
4. Nield-Gehrig, J.S. and Willman, D.E. Foundations of Periodontics for the Dental Hygienist.Baltimore, MA: Lippincott Williams & Wilkins, 200
5. Weinberg, MA et al Comprehensive Periodontics for the Dental Hygienist.1st ed. Prentice Hall Inc. 2001.
6. Perry, D.A., Beemsterboer, P.L and Taggart, E.J. Periodontology for the Dental Hygienist.Philadelphia, PA: W.B. Saunders, 2001



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110233
Course Title	Periodontology 2
Credit Hours	(3)
Theoretical Hours	(1)
Practical Hours	(6)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is a continuation of periodontology I. It provides the students with the theoretical and practical skills of the diagnosis of periodontal diseases , treatment of periodontal diseases ,prevention of periodontal diseases treatment modalities and the biologic basis for various therapeutic procedures.

Course Objectives:

Upon the completion of the course, the student will be able to::

1. Rational procedures for the management of periodontal diseases.
2. The basic objectives of sound background in all phases of periodontal therapy including assessment of clinical tissue response and determination of treatment needs.
3. Initial periodontal therapy and appropriate application of treatment modalities in a proper sequence.
4. How to utilize basic nonsurgical procedures in all phases of periodontal therapy.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Diagnosis of periodontal diseases	<ul style="list-style-type: none"> ▪ Diagnosis of periodontal diseases ▪ 10 clinical diagnosis, ▪ medical and dental history, ▪ laboratory and radiographic (investigations) 	
2.	Treatment Of Periodontal Diseases	<ul style="list-style-type: none"> ▪ Treatment of simple and chronic gingivitis ▪ Treatment of postmenopausal and pubertal gingivitis ▪ Treatment of pericoronitis and primary herpetic gingivostomatitis ▪ Treatment of necrotizing ulcerative gingivitis ▪ Instrumentation ▪ The role of dental surgery assistance in periodontal clinic ▪ Procedures of scaling and root planning ▪ Treatment of periodontal abscess ▪ Classification of periodontal splints ▪ Treatment of furcation involvement and bone graft ▪ treatment of gingival recession and gingival graft ▪ oronoplasty and occlusal adjustment ▪ treatment of bruxism 	
3.	Prevention Of periodontal Diseases	<ul style="list-style-type: none"> ▪ Plaque control (toothbrushing methods, interdental cleansing aids and disclosing agents) ▪ Plaque control steps (motivation, education and instruction) ▪ Plaque control for physically and mentally handicap patients 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits, Clinical practice.

Text Books & References:

1. Newman, M.G., Takei, H.H., and Carranza, N.T. [Carranza's Clinical Periodontology](#) .10th ed. Philadelphia, PA: W.B.Saunders Company, 2006.
2. Lindhe, J., [Karring](#), T. and [Lang](#) N.P. [Clinical Periodontology and Implant Dentistry](#).4th ed. Blackwell Munksgaard, 2004 .
3. Nield-Gehrig, J.S. [Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation](#).5th ed. Baltimore, MA: Lippincott Williams & Wilkins, 2004
4. Nield-Gehrig, J.S. and Willman, D.E. [Foundations of Periodontics for the Dental Hygienist](#).Baltimore, MA: Lippincott Williams & Wilkins, 2003
5. Weinberg, MA et al [Comprehensive Periodontics for the Dental Hygienist](#).1st ed. Prentice Hall Inc. 2001.
6. Perry, D.A., Beemsterboer, P.L and Taggart, E.J. [Periodontology for the Dental Hygienist](#).Philadelphia, PA: W.B. Saunders, 2001.
7. Weinberg, MA et al [Comprehensive Periodontics for the Dental Hygienist](#). 1st ed. Prentice Hall Inc. 2001.
8. Perry, D.A., Beemsterboer, P.L and Taggart, E.J. [Periodontology for the Dental Hygienist](#). Philadelphia, PA: W.B. Saunders, 2001.
9. Nield-Gehrig, J.S. and Willman, D.E. [Foundations of Periodontics for the Dental Hygienist](#).Baltimore, MA: Lippincott Williams & Wilkins, 2003.
10. Nield-Gehrig, J.S. [Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation](#). 5th ed. Baltimore, MA: Lippincott Williams & Wilkins, 2004.
11. Newman, M.G., Takei, H.H., and Carranza, N.T. [Carranza's Clinical Periodontology](#) .10th ed. Philadelphia, PA: W.B. Saunders Company, 2006.
12. Lindhe, J., [Karring](#), T. and [Lang](#) N.P. [Clinical Periodontology and Implant Dentistry](#). 4th ed. Blackwell Munksgaard, 2004

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110243
Course Title	Orthodontics And Pediatric Dentistry
Credit Hours	(2)
Theoretical Hours	(2)
Practical Hours	(0)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course introduces the students to the understanding of the principles governing the dental treatment of children and orthodontics. Focus is put on topics such as dental arch space management, minor tooth movement, dental trauma, congenital deformity and treatment of oral habits and dental care for handicapped children

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Develop the understanding of the principles governing the dental treatment of children
2. Deal with the basic knowledge about the various types of orthodontics
3. Deal with the basic knowledge about the occlusion of primary, mixed and permanent dentition
4. Deal with the basic knowledge about the management of trauma and congenital deformity



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Introduction Pediatric Dentistry	<ul style="list-style-type: none"> ▪ Handling the children in the surgery ▪ Bad habits & their effects ▪ Avoiding Bad habits ▪ Dental and oral education for children and their parents 	
2.	Deciduous teeth	<ul style="list-style-type: none"> ▪ Naming, time of eruption ▪ Importance and Function ▪ Dental and oral anomalies 	
3.	Occlusion	<ul style="list-style-type: none"> ▪ Occlusion of primary, mixed & permanent teeth ▪ Malocclusion ▪ Teeth & surrounding environment ▪ Malocclusion & Factors affecting it ▪ Tissue response for orthodontic movement 	
4.	Dental trauma	<ul style="list-style-type: none"> ▪ Principles & aims of treatment ▪ Classification of trauma ▪ Treatment procedure 	
5.	Congenital deformity	<ul style="list-style-type: none"> ▪ Types of congenital deformity ▪ Methods of treatment 	
6.	Orthodontics	<ul style="list-style-type: none"> ▪ Types of orthodontics ▪ Orthodontic appliances ▪ Preventive orthodontics ▪ Caring and prevention for orthodontic, patients 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Graber, Thomas M., and Vanarsdall, Robert L., Jr., eds. Orthodontics: Current Principles and Techniques.4th ed. St. Louis: Elsevier Mosby, 2005.
2. Pinkham, J.R. (and others), eds. Pediatric Dentistry: Infancy through Adolescence.4th ed. Philadelphia: Elsevier Saunders, 2005.
3. McDonald, Ralph E., and Avery, David R., eds.Dentistry for the Child and Adolescent.8th ed. St. Louis: Mosby, 2004.
4. William R. Proffit with Henry W, Fields Contemporary Orthodontics - 3rd ed., 1999, Proffit, William R. (and others),.2d ed. St. Louis: Mosby-Year Book, 1993.



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110257
Course Title	Oral Surgery
Credit Hours	(2)
Theoretical Hours	(1)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is designed to provide the student with knowledge of description of anatomical land marks of head & neck. It provides the students with the Knowledge of primary and permanent teeth. Innervations of the face & oral cavity . Focus is put on the understanding of the principles of surgery and respect for the microbiologic implications inherent in this art and science

Course Objectives:

Upon the completion of the course, the student will be able to:

1. The fundamentals of exodontias, anesthesia and management of it's less serious complications.
2. The different diseases that affect oral cavity and jaws and the management.
3. The clinical and psychological factors in patient evaluation
4. The orientation in the fundamentals of diagnosis and treatment of maxillofacial fractures, and the disorders of the temporomandibular joint, neurological pain syndromes and dentofacial deformities.
5. how to suture wounds as well as the different materials used in suturing.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	important anatomical land marks	<ul style="list-style-type: none"> ▪ Description of anatomical land marks of head & neck ▪ Knowledge of primary and permanent teeth ▪ Innervations of the face & oral cavity 	
2.	anaesthesia	<ul style="list-style-type: none"> ▪ Pain ▪ Anaesthetic agents ▪ Instruments ▪ Methods of giving anaesthesia ▪ Indication & precaution of using anaesthesia ▪ Common complications of using anaesthesia 	
3.	Minor oral surgery	<ul style="list-style-type: none"> ▪ Diagnosis ▪ Surgical procedures (pre, during, post procedures) ▪ Surgical instruments ▪ Extractions <ul style="list-style-type: none"> – preparation fro extraction – instruments – anesthesia & drugs – preparation of the patient – Indications of extraction. – Contra-indications of extraction. – instructions for dentist & patient – complications of extract 	
4.	Fractures of jaws	<ul style="list-style-type: none"> ▪ definition, types of fractures ▪ causes of fractures ▪ signs & symptoms of fractures ▪ treatments of fractures ▪ dislocation of the jaw (sings & treatment differentiation) 	
5.	Suturing	<ul style="list-style-type: none"> ▪ Indications of suturing ▪ instruments 	
6.	Impacted teeth	<ul style="list-style-type: none"> ▪ definition, causes, classification & complications of impacted teeth 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

7.	Surgical treatment of facial, jaws, dental malformation	<ul style="list-style-type: none"> ▪ mandibular protrusion ▪ mandibular retrusion ▪ cleft lips & palate 	
8.	Emergency procedures and complications associated with oral surgery	<ul style="list-style-type: none"> ▪ faint ▪ shock ▪ artificial aspiration ▪ cardiac arrest ▪ ecchymosis ▪ hematoma ▪ emphysema ▪ broken dental needles ▪ involvement of maxillary sinus ▪ bleeding ▪ osteomyelitis 	
9.	Systemic diseases	<ul style="list-style-type: none"> ▪ Blood pressure (hypertension). ▪ Diabetes mellitus. ▪ Blood diseases ▪ Cardio vascular diseases ▪ Hepatitis ▪ Epilepsy ▪ Thyroid disorder ▪ Renal diseases ▪ Asthma ▪ Pregnancy, menopause 	
10.	Cysts& tumours	<ul style="list-style-type: none"> ▪ Aetiology ▪ Signs and symptoms ▪ Diagnosis ▪ Treatment 	
11.	important anatomical land marks	<ul style="list-style-type: none"> ▪ Description of anatomical land marks of head & neck ▪ Knowledge of primary and permanent teeth ▪ Innervations of the face & oral cavity 	

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, slides and posters, dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Ward Booth, P., Schendel, S. and Hausamen J-E. Maxillofacial Surgery, 2nd ed. Churchill Livingstone, 2006.
2. Peterson, Larry J. (and others), eds. Contemporary Oral and Maxillofacial Surgery. 4th ed. St. Louis: Mosby, 2003.
3. Larry J. Peterson, Myron R. Tucker, Edward 3rd Ellis, contemporary Oral and Maxillofacial Surgery .Journal Citations 2002
4. Atlas of Minor Oral Surgery (2001) Journal Citations by Authors, Orrett E. Ogle, Harry Dym, David A McGowan, MARTIN DUNITZ
5. An Atlas of, Minor Oral Surgery, Principles and Practice, Second Edition, David A McGowan, MARTIN DUNITZ, 1999



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110161
Course Title	Dental Materials
Credit Hours	(2)
Theoretical Hours	(1)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is designed to provide the students with an applied and working understanding of the fundamental nature and behavior of dental materials, equipments and instruments. The course includes the composition, properties, application, and manipulation of metal ceramic and polymeric dental materials.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. That the success or failure of many forms of dental treatment depends upon the correct selection of materials possessing adequate properties, as well as careful manipulation of these materials.
2. The capabilities and limitations of dental materials.
3. That knowledge is important for all clinical courses and dental treatment that require the use of dental materials.
4. How to use and maintain different equipments and instruments used in the clinic



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Dental Equipments	<ul style="list-style-type: none"> ▪ The Chairs which used for dental clinics and it's types ▪ Keeping and maintenance of chairs ▪ Ultrasonic equipments 	
2.	Dental instruments	<ul style="list-style-type: none"> ▪ Manual tools and their kinds, features, and their use ▪ Instruments which work by electricity and air 	
3.	Dental materials which used in dentistry	<ul style="list-style-type: none"> ▪ Mechanical and chemical features ▪ Plastery materials and their ▪ Impression materials ▪ Dental waxes ▪ Amalgam ▪ Coloured fillings ▪ Cement and fillings pads ▪ Mineral which used in dentistry ▪ Porcelain 	
4.	Material which used in dentistry	<ul style="list-style-type: none"> ▪ Materials of preventive dentistry ▪ Materials of orthodontics ▪ Materials of oral surgery ▪ Materials of Gum diseases ▪ Materials of pulp treatment ▪ Materials and tools of scaling and polishing 	

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

1. Craig, Robert G. (and others). Dental Materials: Properties and Manipulation. 8th ed. St. Louis: Mosby, 2004.
2. Gladwin, M. & Bagby, M., Clinical Aspects of Dental Materials: Theory, Practice, and Cases. 2nd ed. Philadelphia, PA: Lippincott, Williams & Wilkens, 2004
3. Anusavice, Kenneth J., ed. Phillips' Science of Dental Materials. 11th ed. Philadelphia: W. B. Saunders, 2003.
4. Craig, Robert G., and Powers, John M., eds. Restorative Dental Materials. 11th ed. St. Louis: Mosby, 2000
5. Mc Cabe, John F. and Walls AWG. Anderson's Applied Dental Materials. 8th Blackwell Scientific publications, 1998. Combe, E.C.
6. Notes on Dental Materials (Dental Series). 6th rev. ed. Churchill Livingstone, 1992





Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110262
Course Title	Prosthodontics
Credit Hours	(2)
Theoretical Hours	(1)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course is designed to provide the student with theoretical and practical skills in the fabrication of removable partial dentures, complete dentures, Crown & Bridge and obturators.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. To teach students the fundamental skills of fabricating removable partial dentures, complete dentures, Crown & Bridge and obturators for the edentulous patient.
2. To know wearers complain after wearing different types of dentures.
3. To give idea about overdentures and immediate dentures



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Complete Denture	<ul style="list-style-type: none"> ▪ Definition, Aims, Indications of Complete Dentures ▪ Anatomical land marks ▪ Working procedures of complete denture ▪ Instruction for complete denture wearers ▪ Wearers complain after wearing complete denture ▪ Overdenture, Immediate denture relining, rebasing 	3
2.	Removable Partial Denture	<ul style="list-style-type: none"> ▪ Definition & Types of Removable. Part Denture ▪ Kennedy Classification of RPD ▪ Aims, Indication of RPD ▪ Working procedures of RPD ▪ Instruction for RPD wearers 	3
3.	Crown & Bridge	<ul style="list-style-type: none"> ▪ Type of C. & B ▪ Parts of B ▪ Working Procedure of C. & B ▪ Indications for C. & B 	3
4.	Obturator	<ul style="list-style-type: none"> ▪ Types of Malformation of Lips palate, (congenital & surgical) ▪ Definition, Indications & Types of Obturators 	4



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

Textbook:

1. Zarb, George A. (and others) rosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Protheses.12th ed. St. Louis, MO: Mosby, 2004.
2. Carr, A.B., McGivney, G.P. and Brown, D.T.McCracken's Removable Partial Prosthodontics.11th ed. Mosby, 2004.
3. Robert S Klugman, DDS
4. PROSTHODONTICS IN, CLINICAL, PRACTICE 2002.
5. MRD, A. D. V V a I m s ley BDS MSC PhD FDSRCPS
6. Fixed and, Removable, Prosthodontics, C. VV. Barclay 3DSFDSRCPS M D, 2001.
7. Shillingburg, Herbert T. (and others).Fundamentals of Fixed Prosthodontics.3rd ed. Chicago: Quintessence, 1997



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110171
Course Title	Dental Radiology
Credit Hours	(2)
Theoretical Hours	(1)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Brief Course Description:

- ❖ This course introduces students to the interpretation of normal anatomy, caries, periodontal disease and periapical disease. It is an introduction in dental radiology .It deals with didactic instruction in radiation physics, radiation biology, radiation hygiene, and the techniques of radiography and processing.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. Provided with an introduction to the radiological interpretation of normal anatomy, caries, periodontal disease and periapical disease.
2. Able to receives supervision in taking and processing intra- and extra oral radiographs on mannequins, as well as patients.
3. Provided with specific requirements on occlusal, panorex, and complete series of X-rays



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Introduction to Dental Radiology	<ul style="list-style-type: none"> ▪ characteristics of x-ray ▪ Nature of x-ray ▪ equipments of x-ray 	1 Week
2.		<ul style="list-style-type: none"> ▪ x-ray hazards and ways of protection ▪ x-ray effect on cells and protection 	1 Week
3.	x-ray films and exposure factors	<ul style="list-style-type: none"> ▪ film types ▪ installation of films ▪ factors affect the quality of the radiograph 	1 Week
4.		<ul style="list-style-type: none"> ▪ film processing and development ▪ dark room and appearance ▪ washing and radiograph preservation ▪ radiograph improvements 	1 Week
5.	Intraoral radiography	<ul style="list-style-type: none"> ▪ bisecting angle technique ▪ long cone technique ▪ head positioning ▪ angles and x-ray beam direction ▪ occlusal radiography ▪ parallax technique ▪ short cone technique 	1 Week
6.	Extra oral Radiography	<ul style="list-style-type: none"> ▪ lateral jaw radiography ▪ AP and PA radiography ▪ occipitomeatal view ▪ panoramic radiograph 	1 Week
7.	Uses of dental x-ray	<ul style="list-style-type: none"> ▪ Dental abnormalities ▪ tooth malpositioning ▪ dental caries and jaw pathology ▪ jaw fractures and foreign bodies ▪ dental and developmental cysts ▪ benign and malignant tumors 	1 Week
8.	Radiographic	Practical material	1 Week

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



	<p>artifacts and abnormalities</p>	<ul style="list-style-type: none"> ▪ how to use x-ray unit ▪ how to process the film ▪ how to handle the film ▪ how to apply safety measures ▪ how to take intra oral radiographs ▪ how to take OPG and other extra oral films. ▪ parallax ▪ long cone technique ▪ short cone technique ▪ radiographic artifacts ▪ how to deal with material used for processing ▪ equipment maintenance ▪ film preservation 	
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Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Text Books & References:

References:

1. Essentials of Dental Radiography and Radiology (2002) Journal Citations by Authors.
[Eric Whaites](#)
2. Essentials of Dental Radiography and Radiology (2002) Journal Citations by Authors.
[Eric Whaites](#)
3. Dental Radiography: Principles and Techniques (2000) Journal Citations by Authors,
[Joen I. Haring](#), [Laura Jansen](#)
4. Oral radiology : principles and interpretation / [edited by] Stuart C. White, Michael J. Pharoah. – 4th ed. 1999
5. Wood, Norman K. (Norman Kenyon), Review of diagnosis, oral medicine, radiology, and treatment, planning / Norman K. Wood.-4th ed. 1999
6. Kreel, Louis O'Clark's Positioning in Radiography, vol.two(1997).
7. Ballinger, Philip, Merrill's Atlas of Radiographic Positions and Radiologic Procedures , vol.two (1991)





Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110259
Course Title	Dental Health Education
Credit Hours	(2)
Theoretical Hours	(1)
Practical Hours	(3)



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course focuses on the role of the practicing hygienist in the dental health education and ecology of Jordan, exploring social issues, consumerism, legislation, alternative systems of health care and other issues. The students are afforded the opportunity for a wide variety of extramural experiences, both observation and participation. The students learn the principles of basic public health mechanisms of epidemiology, disease measurement, including dental indices, and public health program planning

Course Objectives:

Upon the completion of the course, the student will be able to:

1. the behaviours and psychological effects and how it affect the behaviour of the subjects and groups.
2. The social adaptation and reactions of social constitutions and legislations in the society.
3. The dental health education programs to increase the level of oral health.
4. The role of dental health education campaign in achieving this aim.
5. The role of dental health education programs to prevent dental caries and relation of that to the bad behaviours.
6. The realistic objectives for applying dental health education programs and how to change behaviours toward caries prevention.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Introduction to the dental health education	<ul style="list-style-type: none"> ▪ definitions, development and understanding ▪ studying the aims and objectives of the dental health education programs on the following levels: <ul style="list-style-type: none"> - national level in which the health educational campaign provide the essential information about health and disease - limited programs directed to students, workers and companies employees - directed programs to sections of society that already having disease to stop it and treat them 	
2.		<ul style="list-style-type: none"> ▪ study the behaviours and psychological effects and how it affect the behaviour of the subjects and groups ▪ studying social adaptation and reactions of social constitutions and legislations in the society 	
3.		<ul style="list-style-type: none"> ▪ Acknowledge the dental health education programs to increase the level of oral health ▪ Acknowledge the role of dental health education campaign in achieving this aim ▪ studying the role of dental 	

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

		<p>health education programs to prevent dental caries and relation of that to the bad behaviours</p> <ul style="list-style-type: none"> Acknowledge the realistic objectives for applying dental health education programs and how to change behaviours toward caries prevention 	
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Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

Textbook:

- Lorraine Gagliardi - Dental Health Education: Lesson Planning and Implementation, Release Date: December 12, 2006.
- Vickie Kimbrough and Karen Henderson - Oral Health Education Release Date: March 25, 2005.
- H. & Hobdell, M. H. Allred and M. H. Hobdell - Planning and Development of Educational Programmes for Personnel in Oral Health Release Date: April 01, 1986



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Para-Medical Program

Specialization	Oral Hygiene
Course Number	21110200
Course Title	Field Training
Credit Hours	(3)
Theoretical Hours	(0)
Practical Hours	280 training hours



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Brief Course Description:

- ❖ This course focuses on the role of the practicing hygienist in the dental health education and alternative systems of health care and other issues. The students are afforded the opportunity for a wide variety of extramural experiences, both observation and participation. The students learn the principles of basic public health mechanisms of epidemiology, disease measurement, including dental indices, and public health program planning.

Course Objectives:

Upon the completion of the course, the student will be able to:

1. To manage dental health educational programs to increase the level of oral health.
2. To apply dental health survey on different human groups.
3. To understand the role of dental health education campaign in achieving this aim.
4. To recognise the role of dental health education programs to prevent dental caries and relation of that to the bad behaviours.
5. To apply fluoride, fissure sealant in the dental practice.



Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1.	Dental health survey for human groups	<ul style="list-style-type: none"> ▪ Schools ▪ Factories ▪ Companies ▪ societies 	
2.	Dental Health Education	<ul style="list-style-type: none"> ▪ Visiting schools and oral examination ▪ Provide dental health education studying 	
3.	Special centres visiting	<ul style="list-style-type: none"> ▪ Provide dental health education for handicap and mentally retard patients. ▪ discover dental health problems in old patients 	
4.	Application of acquired skills for preservation oral hard and soft tissues in use of preventive	<ul style="list-style-type: none"> ▪ dental clinics ▪ hospitals ▪ health centres 	
5.	Dental materials to protect teeth from diseases	<ul style="list-style-type: none"> ▪ fissure sealant ▪ toothpastes ▪ fluorides 	

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	--/--/----
	Second Exam	20%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		10%	
Discussions and lecture Presentations			

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008



Teaching Methodology:

- ❖ Lectures, Slides and posters, Dolls Models, Practice inside labs, Training visits.

Text Books & References:

Textbook:

1. Harris, N.O. and Garcia-Godoy, F Primary Preventive Dentistry 6th ed. Stamford, CT: Appleton & Lange, 2004.
2. Gagliardi, L Dental Health Education: Lesson Planning & Implementation Stamford, CT: Appleton & Lange, 1999.
3. Health Education Council Adiscussion Paper on Proposals for Nutrition Guidelines for Health Education. London. Health Education Council. 1983

