

## **Dental Assistant Program Courses Outline**

### **DA 101 Introduction to Dentistry**

**Credits 3 Contact Hours 3 Category Core Course Required Yes**

#### **Course Description**

This course is designed to introduce the dental assisting students to the science of dentistry and the profession of dental assistant.

### **DA 102 Clinical Applications in Dentistry**

**Credits 3 Contact Hours 4 Category Core Course Required Yes**

#### **Course Description**

In this course, the students will be familiar with the instruments and equipments used in dental field. Also this course provides the students with basic theoretical and clinical information necessary in dental assistant practice.

### **AMS 245 Anatomy and Physiology**

**Credits 3 Contact Hours 4 Category Core Course Required Yes**

#### **Course Description**

This course is designed to introduce student to the structure and organization of various systems in the human body. It deals with the structure and function of the musculoskeletal system, nervous system, circulatory system, blood, digestive system, urinary system, and endocrine and reproductive system. Using a body system approach, the course emphasize the interrelationship between structure and function at the gross and microscopic levels of organization of the entire human body

### **CS 108 Introduction to Computer Science**

**Credits 3 Contact Hours 4 Category Core Course Required Yes**

#### **Course Description**

This course will survey the field of computer technology and information systems. You will acquire a basic understanding of how computers process information through the integrated use of hardware and software. Computer laboratory sessions will introduce students to a variety of software packages that will include word processing, spreadsheets, graphics, communications, and database management functions.

### **EL 101 English Language**

**Credits 3 Contact Hours 3 Category** General Education Requirement

**Required** Yes

#### **Course Description**

This course is a critical reading for special purposes and expository writing offers training in the writing process, the development and organization of expository prose, and research techniques. The course emphasizes quality in logic and direction

### **NSC 155 Microbiology**

**Credits 3 Contact Hours 3 Category** Core Course\_

**Required** Yes

#### **Course Description**

This course will introduce the morphology, physiology, and taxonomy of microorganisms and how they relate to man and the environment as well as new developments in the field of microbiology and what influences they will have in the future.

### **DA 111 Clinical Practice in Dentistry I**

**Credits 2 Contact Hours 8 Category** Core Course

**Required** Yes

#### **Course Description**

A comprehensive course designed to acquaint the student with the many aspects of assisting at chair-side in the treatment of dental patients. Among the areas included are: patients Management techniques; taking and recording medical and dental histories; vital signs; performing and assisting with clinical-examinations and charting; assisting with local anesthesia and all areas of dental treatment, also operating and maintaining dental equipment and sterilization.

### **Dental Materials I**

**Credits 3 Contact Hours 5 Category** Core Course

**Required** Yes

#### **Course Description**

A study of the clinical application of dental materials. and their relationship to the oral environment is essential for the dental assistant. This course is designed to provide the dental assistant with a sound knowledge base in the science of dental materials. Emphasis will be placed on why specific material is used rather solely upon the techniques of manipulating materials. Objectives will be equally balanced among .the cognitive, psychomotor, and affective domains of learning and within the dental assistant scope of practice. A

primary objective of this course is to enhance the student's ability to make clinical judgments regarding the application of dental materials and the ways in which these materials react to the oral environment.

### **DA 113 Dental Radiology**

**Credits 3 Contact Hours 5 Category Core Course Required Yes**

#### **Course Description**

This course is designed to introduce the students to the science of radiology. It will explain the basic concepts of the x-ray image formation and will give the student the access to the new techniques of x-ray. In addition, it will enable the students to differentiate between t anatomical landmark and pathological defects that are found in both the maxillary and mandibular arches of the oral cavity

### **SP 123 human Relations**

**Credits 3Contact Hours 3 Category Core Course Required Yes**

#### **Course Description**

An analysis of the basic principles of learning theory as well as physical, social, and moral development as they are applied to classroom learning with emphasis upon the application of theory to practical educational situations. Basics of standardized measurement, behavior management as applied to the classroom, and the influence of socio-cultural forces in society on education are discussed. Educational exceptionalities and laws related to them are also examined

### **ESP 105 English for Dentistry**

**Credits 3 Contact Hours 3 Category General Education Requirement**

**Required Yes**

#### **Course Description**

This course is specially designed for dental assisting program by utilizing previously learned competencies and apply it in depth in dental aspects.

### **DA 116 Infection Control in Dentistry**

**Credits 3Contact Hours 3Category Core Course Required Yes**

**Course Description** This course is designed to give the student an overview of the microbiological burden encountered in the dental office, the philosophy of infection control in dentistry, and the methods of protecting. Both patient and staff. In addition, current concepts of occupational safety and health risks encountered in the dental clinic environment well be presented with strategies to lower risks and improved the working environment.

### **DA 201 Clinical Practice in Dentistry II**

**Credits 4 Contact Hours 16 Category** Core Course **Required Yes**

#### **Course Description**

A continuation to DA 111 to acquaint student with more aspects of assisting at chair-side in the treatment of different dental specialty . Among the areas included are: patients Management techniques; taking and recording medical and dental histories; vital signs; performing and assisting with clinical-examinations and charting; assisting with local anesthesia and all areas of dental treatment, also operating and maintaining dental equipment and sterilization.

DA 2013 Oral Patholog and Histology

### **DA 203 Oral Pathology and Histology**

**Credits 3 Contact Hours 3 Category** Core Course **Required Yes**

#### **Course Description**

This course will provide the student with the basic understanding of diseases of the mouth and surrounding structures, and the skills necessary to detect deviations from normal in the evaluation of the .patient's health status. In addition, it will provide an overview of the embryological development of the oral cavity and surrounding structures, and the histological structure of oral tissues. The student is provided the opportunity to learn the development, structure, morphology, eruption and function of the primary and permanent dentition.

### **DA 114 Management of Dental Office**

**Credits 3 Contact Hours 3 Category** Core Course **Required Yes**

#### **Course Description**

This course is designed to provide students with a comprehensive overview of the dental business. Emphasis is on practice management, communication management, business office systems, and interview techniques.

### **DA 202 Dental Materials I I**

**Credits 3 Contact Hours 4 Category** Core Course **Required Yes**

#### **Course Description**

This Course will emphasize on teaching the students clinical applications of materials used in dentistry, e.g. restorative dentistry (gold- ceramics, acrylics, cements, modeis'materials and impression materials), operative dentistry (filling materials, liner, bases, and preventive materials), orthodontic and periodontics

materials (wires, stainless steel, rubbers) and implant dentistry (titanium, and all related materials). In addition, the course will demonstrate clinical handling of different dental instrumentation and the use of dental equipment used to polish, mix and set different dental materials.

### **DA 204 Medical Emergencies in Dentistry**

**Credits 3 Contact Hours 4 Category** Core Course **Required** Yes

#### **Course Description**

This course will provide the student with the basic information necessary to successfully manage the most common emergency conditions that would occur in the dental clinic.

### **DA 211 Clinical Practice in Dentistry III**

**Credits 4 Contact Hours 16 Category** Core Course **Required** Yes

#### **Course Description**

This clinical experience is a continuation of Clinical Practice and Instrumentation I, II. Each student will gain additional chair-side assisting skills and experience and begin to incorporate the advanced functions into patient treatment procedures. In addition, this course will provide an internship for each student with a practitioner of dentistry. Arrangements are made with each dentist and dental hygienist taking part in the program to enable the student to obtain experience in all aspects of dental office procedures. Major part of this course will be at the Ministry of Health (MOH) where students will be assigned in different dental offices.

### **DA 205 Dental Public Health**

**Credits 3 Contact Hours 3 Category** Core Course **Required** Yes

#### **Course Description**

This course prepares students to promote oral health and prevent oral diseases in a community. It provides students with a broad understanding of the health care system and an objective view of the significant social, political, psychological, and economic forces directing the system. This course will provide students with knowledge and skills necessary to meet specific oral health needs of community groups as distinct from the traditional clinical approach, which is designed to meet the needs of individual patients. In addition, the course trains student to educate dental clinics in dental office and public. Emphasis is on health education theories, plaque control aids, nutrient, smoking cessation and fluoride.

**DA 206 Dental Seminar**

**Credits 3 Contact Hours 3 Category** Core Course **Required** Yes

**Course Description**

This course is a continuation to DA 114. Students will be exposed to more emphasis on practice management, communication management, business office systems, and interview techniques.

**SS 101 Islamic Education**

**Credits 2 Contact Hours 2 Category** General Education Requirement

**Required** Yes

**Course Description** This course will introduce the main concepts of Islam as a comprehensive way of life.

**Three General Electives Courses**

**Credits 2 (each) Contact Hours 2 Category** General Electives **Required**

Yes

**Course Description** The student can register in any elective course at any time.

## Dental Assistant Major Sheet

Semester/ Year	Course#	Course Title	Cr.	Hrs.	Th.	Pr.	Field Tr.	Comments
1/1	DA 101	Introduction to Dentistry	3	3	3			
1/1	DA 102	Clinical applications in Dentistry	3	4	2	2		
1/1	AMS 245	Anatomy and Physiology	3	4	2	2		
1/1	CS 108	Introduction To Computer Science	3	4	2	2		
1/1	EL 99	English		5	5			
1/1	EL 101	English	3	3	3			Prerequisites either passing the Basic English skills test or EL 99
1/1	NSC 155	Microbiology	3	4	2	2		
1/1		<b>Total</b>	18	27	19	8		
Semester/ Year	Course#	Course Title	Cr.	Hrs.	Th.	Pr.	Field Tr.	Comments
2/1	DA 111	Clinical Practice in Dentistry (I)	2	8			8	Prerequisite DA 102
2/1	DA 112	Dental Materials (I)	3	5	1	4		
2/1	DA 113	Dental Radiology	3	5	1	4		
2/1	DA 116	Infection Control in Dentistry	3	3	3			
2/1	DA 114	Management of Dental Office	3	3	3			
2/1	ESP 105	English for Dentistry	3	3	3			Prerequisite EL 101
2/1		<b>Total</b>	17	27	11	8	8	
Semester/ Year	Course#	Course Title	Cr.	Hrs.	Th.	Pr.	Field Tr.	Comments
1/2	DA 201	Clinical Practice in Dentistry (II)	4	16			16	Prerequisite DA 111
1/2	DA 202	Dental Materials (II)	3	4	2	2		Prerequisite DA 112
1/2	DA 203	Oral Pathology and Histology	3	3	3			
1/2	DA 204	Medical Emergencies in Dentistry	3	4	2	2		
1/2	BS 123	Human Relations	2	2	2			
1/2		<b>Total</b>	15	29	9	4	16	
Semester/ Year	Course#	Course Title	Cr.	Hrs.	Th.	Pr.	Field Tr.	Comments
2/2	DA 211	Clinical Practice in Dentistry (III)	4	16			16	Prerequisite DA 201
2/2	DA 205	Dental Public Health	3	3	3			
2/2	DA 206	Dental Seminar	3	3	3			
2/2	SS 101	Islamic Education	2	2	2			
2/2		Elective	2	2	2			Students are allowed to register for Elective courses at any semester.
2/2		Elective	2	2	2			
2/2		Elective	2	2	2			
2/2		<b>Total</b>	18	30	14		16	
<b>Diploma Certificate</b>								
		<b>Total Credits</b>	<b>68</b>					

