

### Program Learning Outcome Mapping Matrix

Identify on the table below the courses that are required to achieve the program learning outcomes. .

Insert the program learning outcomes, according to the level of instruction, from the above table below and indicate the courses and levels that are required to teach each one; use your program's course numbers across the top and the following level scale.

Levels:

I = Introduction

P = Proficient

A = Advanced

Course Offerings NQF Learning Domains and Learning Outcomes		111 VDS	211 VDS	311 VDS	411 VDS	415 VDS	414 VDS	412 VDS	413 VDS	511 VDS	512 VDS	513 VDS	514 VDS	231 PDS
<b>1.0</b>	<b>Knowledge</b>													
1.1	Recall the procedures necessary to provide with a biocompatible, occlusally functional and aesthetic dental prostheses (fixed and removable) and its design, laboratory procedure by identifying the principles of occlusion				I	I		I	I			P	P	I
1.2	Recognize the medico-legal and ethical considerations affecting the roles of dental and related health care personnel and their responsibilities with respect to health and safety of patients and community by the application of a strict infection control policies.	I		I	I		I	I	I			I	A	I
1.3	Memorize the essentials of the head and neck anatomy, general physiology, general histology, biochemistry, microbiology, pathology, and pharmacology that may be related in the dental field.			I	I		I	I	I				P	I
1.4	Define the fundamental of cavity preparation, aesthetic dental procedures, tooth morphology and pulp therapy				I	I		I				I	P	

	in all teeth using different biomaterials and different dental instruments.													
<b>2.0</b>	<b>Cognitive Skills</b>													
2.1	Summarize the findings from the patient's history, clinical and radiographic examination to identify and formulate an appropriate treatment plan and prescribe appropriate and relevant drug therapy in the management of dental diseases.			I	I	I	P	P	P			P	P	
2.2	Differentiate the principles of common oral and maxillofacial surgery with different local anesthesia techniques and appropriate infection control policy			I			P	I	P			I	P	
2.3	Design and apply procedures used in the production of all types of restorations , crowns, bridges, partial and complete dentures and make appropriate chair side adjustment to these restorations.						I						P	I
2.4	Recognize the examination and diagnosis of different periodontal diseases, orofacial lesions, abnormalities and its management including minor surgical interference.			I			I	P	P			I	P	
<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>													
3.1	Show effective communication with the team and patients with ethical and moral principles	I		I	I	I	P	P	P	P	A	P	A	I

	in the scientific and professional contexts using verbal, IT and written means.												
3.2	Evaluate the evidence published in refereed scientific journals and other publications for sound experimental design, statistical analysis, and professional development.			I				I	I	I	P	I	I
4.0	<b>Communication, Information Technology, Numerical</b>												
4.1	Illustrate information clearly in written, electronic and/or oral forms. and applying appropriate communication skill to interact with patients and their families and supporting staff			I	I		P	I	I	I	P	I	P
4.2	Demonstrate the responsibility and the ability to share and exchange information, professional opinions and research ideas with professional colleagues	I	I		I					P	A	I	P
5.0	<b>Psychomotor</b>												
5.1	Perform fabrication of orthodontic and prosthetic appliances , as well as restorative and endodontic treatment of teeth				I	I	I					P	P
5.2	Perform preventive care, periodontal, gingival and oro surgical treatments under local anaesthesia.			I		I	P	P	P			P	P

<b>Course Offerings NQF Learning Domains and Learning Outcomes</b>	<b>232 PDS</b>	<b>331 PDS</b>	<b>332 PDS</b>	<b>333 PDS</b>	<b>334 PDS</b>	<b>431 PDS</b>	<b>432 PDS</b>	<b>433 PDS</b>	<b>531 PDS</b>	<b>532 PDS</b>	<b>OMS 241</b>	<b>251 MDS</b>	<b>252 MDS</b>
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<b>1.0</b>	<b>Knowledge</b>														
1.1	Recall the procedures necessary to provide with a biocompatible, occlusally functional and aesthetic dental prostheses (fixed and removable) and its design, laboratory procedure by identifying the principles of occlusion	I	I	P	A	I	A	P	A	I	A			I	I
1.2	Recognize the medico-legal and ethical considerations affecting the roles of dental and related health care personnel and their responsibilities with respect to health and safety of patients and community by the application of a strict infection control policies.	I	I	P	P	I	P	P	A	A	A				
1.3	Memorize the essentials of the head and neck anatomy, general physiology, general histology, biochemistry, microbiology, pathology, and pharmacology that may be related in the dental field.	I	I	I	I	I	P	P	A	P	A	A	A	A	A
1.4	Define the fundamental of cavity preparation, aesthetic dental procedures, tooth morphology and pulp therapy in all teeth using different biomaterials and different dental instruments.		I			I		I	P			P	I	P	
<b>2.0</b>	<b>Cognitive Skills</b>														
2.1	Summarize the findings from the patient's history, clinical and radiographic examination to identify and formulate an appropriate treatment			I	I		A	P	P	P	A				

	plan and prescribe appropriate and relevant drug therapy in the management of dental diseases.													
2.2	Differentiate the principles of common oral and maxillofacial surgery with different local anesthesia techniques and appropriate infection control policy				P			P		P	A	P		
2.3	Design and apply procedures used in the production of all types of restorations , crowns, bridges, partial and complete dentures and make appropriate chair side adjustment to these restorations.	I	I	P	A	I	A	P	A	A	A			
2.4	Recognize the examination and diagnosis of different periodontal diseases, orofacial lesions, abnormalities and its management including minor surgical interference.						I			I	A	I		
3.0	<b>Interpersonal Skills &amp; Responsibility</b>													
3.1	Show effective communication with the team and patients with ethical and moral principles in the scientific	I	I	P	A	P	I	P	P	A	A	I	I	I

	and professional contexts using verbal, IT and written means.													
3.2	Evaluate the evidence published in refereed scientific journals and other publications for sound experimental design, statistical analysis, and professional development.						P		P	P	A	I	I	I
4.0	<b>Communication, Information Technology, Numerical</b>													
4.1	Illustrate information clearly in written, electronic and/or oral forms. and applying appropriate communication skill to interact with patients and their families and supporting staff	I	I	P	A	P	I	P	A	A	A			
4.2	Demonstrate the responsibility and the ability to share and exchange information, professional opinions and research ideas with professional colleagues			I	I	P		P	A	A	A	I		
5.0	<b>Psychomotor</b>													
5.1	Perform fabrication of orthodontic and prosthetic appliances , as well as restorative and endodontic treatment of teeth	I	I	P	A	I	I	P	P	A	A			
5.2	Perform preventive care, periodontal, gingival and orosurgical treatments							P	P		A	P		



<b>2.0</b>	<b>Cognitive Skills</b>													
2.1	Summarize the findings from the patient's history, clinical and radiographic examination to identify and formulate an appropriate treatment plan and prescribe appropriate and relevant drug therapy in the management of dental diseases.	I	P	A			P	A	A	A	A	A		
2.2	Differentiate the principles of common oral and maxillofacial surgery with different local anesthesia techniques and appropriate infection control policy	I	P	A	I	I		A	A		A	I		
2.3	Design and apply procedures used in the production of all types of restorations , crowns, bridges, partial and complete dentures and make appropriate chair side adjustment to these restorations.			I	I	I			P	I	I	P	I	P
2.4	Recognize the examination and diagnosis of different periodontal diseases, orofacial lesions, abnormalities and its management including minor surgical interference.		I	P	P	P	I	P	A	A	A			
<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>													
3.1	Show effective communication with the team and patients with	I	A	A	I	P	I	A	A	A	A	A		



	ethical and moral principles in the scientific and professional contexts using verbal, IT and written means.													
3.2	Evaluate the evidence published in refereed scientific journals and other publications for sound experimental design, statistical analysis, and professional development.	I	I	I	I	I	I	I	I	I	I	I		
<b>4.0</b>	<b>Communication, Information Technology, Numerical</b>													
4.1	Illustrate information clearly in written, electronic and/or oral forms. and applying appropriate communication skill to interact with patients and their families and supporting staff	I	A	A	I	I	P	A	A	A	A	A		
4.2	Demonstrate the responsibility and the ability to share and exchange information, professional opinions and research ideas with professional colleagues		P	P	P	P	P	A	P	P	A	A		
<b>5.0</b>	<b>Psychomotor</b>													
5.1	Perform fabrication of orthodontic and prosthetic appliances , as well as restorative and endodontic treatment of teeth													
5.2	Perform preventive care,			A				P		P	A	A		

periodontal, gingival and orosurgical treatments under local anaesthesia.													
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Course Offerings NQF Learning Domains and Learning Outcomes		123 RDS	124 RDS	221 RDS	222 RDS	321 RDS	322 RDS	421 RDS	422 RDS	521 RDS	161 SDS	162 SDS	163 SDS	164 SDS
<b>1.0</b>	<b>Knowledge</b>													
1.1	Recall the procedures necessary to provide with a biocompatible, occlusally functional and aesthetic dental prostheses (fixed and removable) and its design, laboratory procedure by identifying the principles of occlusion									A				
1.2	Recognize the medico-legal and ethical considerations affecting the roles of dental and related health care personnel and their responsibilities with respect to health and safety of patients and community by the application of a strict infection control policies.					P		A	P	A				
1.3	Memorize the essentials of the head and neck anatomy, general physiology, general histology, biochemistry, microbiology, pathology, and pharmacology that may be related in the dental field.					I		P	P	A	I	I	I	I
1.4	Define the fundamental of cavity preparation, aesthetic dental procedures, tooth morphology and pulp therapy in all teeth using different biomaterials and different dental instruments.	I	P	I	I	P	I	A	P	A				

<b>2.0</b>	<b>Cognitive Skills</b>												
2.1	Summarize the findings from the patient's history, clinical and radiographic examination to identify and formulate an appropriate treatment plan and prescribe appropriate and relevant drug therapy in the management of dental diseases.				P		A	P	A		I	I	
2.2	Differentiate the principles of common oral and maxillofacial surgery with different local anesthesia techniques and appropriate infection control policy				I		A	P	A	I	I	I	
2.3	Design and apply procedures used in the production of all types of restorations , crowns, bridges, partial and complete dentures and make appropriate chair side adjustment to these restorations.				P		A		A				
2.4	Recognize the examination and diagnosis of different periodontal diseases, orofacial lesions, abnormalities and its management including minor surgical interference.								A		I	I	
<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>												
3.1	Show effective communication with the team and patients with			I	I	P	I	A	P	A			

	ethical and moral principles in the scientific and professional contexts using verbal, IT and written means.												
3.2	Evaluate the evidence published in refereed scientific journals and other publications for sound experimental design, statistical analysis, and professional development.					I		P		P			
4.0	<b>Communication, Information Technology, Numerical</b>												
4.1	Illustrate information clearly in written, electronic and/or oral forms. and applying appropriate communication skill to interact with patients and their families and supporting staff			I	I	P	I	A	P	A			
4.2	Demonstrate the responsibility and the ability to share and exchange information, professional opinions and research ideas with professional colleagues					I	I	P		A			
5.0	<b>Psychomotor</b>												
5.1	Perform fabrication of orthodontic and prosthetic appliances , as well as restorative and endodontic treatment of teeth			I	I	P	I	A	P	A			
5.2	Perform preventive care, periodontal, gingival and orosurgical treatments					I		P	I	A			



2.1	Summarize the findings from the patient's history, clinical and radiographic examination to identify and formulate an appropriate treatment plan and prescribe appropriate and relevant drug therapy in the management of dental diseases.				I		I		I	I	I	A		
2.2	Differentiate the principles of common oral and maxillofacial surgery with different local anesthesia techniques and appropriate infection control policy	I				P	I		I	I	P	A		
2.3	Design and apply procedures used in the production of all types of restorations , crowns, bridges, partial and complete dentures and make appropriate chair side adjustment to these restorations.													
2.4	Recognize the examination and diagnosis of different periodontal diseases, orofacial lesions, abnormalities and its management including minor surgical interference.	I	I	I	I	I	I	I	I	P	P	A		
3.0	<b>Interpersonal Skills &amp; Responsibility</b>													
3.1	Show effective communication with the team and patients with ethical and moral					I				P	P	A		

	principles in the scientific and professional contexts using verbal, IT and written means.												
3.2	Evaluate the evidence published in refereed scientific journals and other publications for sound experimental design, statistical analysis, and professional development.										I		
4.0	<b>Communication, Information Technology, Numerical</b>												
4.1	Illustrate information clearly in written, electronic and/or oral forms. and applying appropriate communication skill to interact with patients and their families and supporting staff								P	P	A		
4.2	Demonstrate the responsibility and the ability to share and exchange information, professional opinions and research ideas with professional colleagues	I							P	P	A		
5.0	<b>Psychomotor</b>												
5.1	Perform fabrication of orthodontic and prosthetic appliances , as well as restorative and endodontic treatment of teeth												
5.2	Perform preventive care, periodontal, gingival and orosurgical treatments									I	A	P	



under local anaesthesia.														
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**Authorized Signatures**

	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Program Coordinator</b>	DR. Abdel Naser Emam	<i>Anaseremam</i>	