Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

2024

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: **IBN SINA**

Faculty/Institute: **DENTISTRY**

Scientific Department: **PROSTHODONTIC**

Academic or Professional Program Name: .....

Final Certificate Name: .....

Academic System: .....

Description Preparation Date:

File Completion Date:

Signature:

Head of Department Name:

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the Dean

Course description form

١. Course Name :	
prosthodontics	
٢. Course Code	
Pros206	
٣. Semester/ year	
Year/ 2 semesters1	
٤. Date this description was prepared	
2024-2025	
٥. A. Available attendance forms	
weekly	
٦. Number of study hours (total)/number of units (total)	
30 Theoretical + 120 Laboratory= (150 hours)	
٧. Name of the course administrator	
Name: -:dr. yas mohammed	
٨. Course objectives	
Objectives of the study subject	**1- Enable the learner to acquire skills and knowledge in diagnosis, treatment planning and management of edentulous patients.** **2- At the end of the course, the learner will be able to diagnose and manage edentulous patients.** **3- Perform laboratory procedures relevant to complete denture prosthetics.**
٩. Teaching and learning strategies	
The strategy	1. Lectures one lecture per week (1 hour duration) 2. Lab one lab per week (4 hours duration)

Course structure ١٠.					
the week	**hours**	**Required learning outcomes**	**Name of the unit or topic**	**Learning method**	**Evaluation method**
First	1	Complete denture Objective of complete denture General consideration in complete denture construction Complete denture component parts	Introduction	Lectures using data show	quizzes, semester exams and final exams
second	1	Anatomical landmarks Maxillary arch anatomical landmarks Supporting structures Limiting structures Relief areas	Anatomical landmarks	Lectures using data show	quizzes, semester exams and final exams
third	1	Anatomical landmarks Mandibular arch anatomical landmarks Supporting structures Limiting structures Relief areas	Anatomical landmarks	Lectures using data show	quizzes, semester exams and final exams
fourth	1	• Impression tray - Definition • Parts of the impression tray • Types of tray • Stock tray – Definition • Types of stock trays • Factors effect in selection of stock	Complete Denture Impression	Lectures using data show	quizzes, semester exams and final exams

		tray			
Fifth	1	Special tray Advantages of special tray Materials used for construction of special tray Types of special tray Techniques or methods for construction of special tray Criteria for special tray construction	Complete Denture Impression	Lectures using data show	quizzes, semester exams and final exams
sixth	1	• Dental impression - Definition • Complete denture impression - Definition • Objective of impression making • Primary impression - Definition • Materials used for making primary impression • Primary cast - Definition • Production of study cast • Secondary impression - Definition • Master cast- Definition • Materials used for final impression • Technique used for making final impression • Boxing an impression and making the casts • Advantages of boxing • Common fault in impression making	Complete Denture Impression	Lectures using data show	quizzes, semester exams and final exams
Seventh	1	• Record base - Definition • Requirements of record base • Types of materials used in construction of record base	Record Base	Lectures using data show	quizzes, semester exams and final exams
Eight	1	• Occlusion rims -	Occlusion Rims	Lectures	quizzes,

		Definition • Requirements of occlusion rim • Materials used in construction of occlusion rim • Measurements of maxillary occlusion rim • Measurements of mandibular occlusion rim • Uses of occlusion rim • Occlusal plane • Fox – bite		using data show	semester exams and final exams
Ninth	1	• Temporomandibular joint (TMJ) – Definition • Ligaments • Muscles	Anatomy And Physiology Of Temporomandibular Joint	Lectures using data show	quizzes, semester exams and final exams
Tenth	1	• Mandibular axes and mandibular movements • Knowledge of mandibular movements • Mandibular movements	Anatomy And Physiology Of Temporomandibular Joint	Lectures using data show	quizzes, semester exams and final exams
eleventh	1	Types of jaw relation Vertical jaw relation Rest position Inter – occlusal distance Importance of vertical dimension Increased vertical dimension Decreased vertical dimension	Maxillomandibular relation	Lectures using data show	quizzes, semester exams and final exams
twelfth	1	• Method of recording rest vertical	Methods Of Recording Vertical	Lectures using data	quizzes, semester

		dimension • Method of recording occlusal vertical dimension • Pre – extraction records • Methods without pre – extraction record	Relation	show	exams and final exams
Thirteenth	1	• Centric jaw relation Importance of centric jaw relation Methods of recording jaw relation Factors that complicates centric jaw relation Methods of recording eccentric jaw relation	Horizontal Jaw Relation	Lectures using data show	quizzes, semester exams and final exams
fourteenth	1	Dental articulator Definition Functions of articulator Requirements of articulator Types of articulator	Dental Articulators (Classification & Digital computerized articulator programming)	Lectures using data show	quizzes, semester exams and final exams
Fifteenth	1	Face- bow Definition Parts of face – bow Types of face – bow Important of the face – bow	Face – Bow	Lectures using data show	quizzes, semester exams and final exams
sixteen	1	Mounting Definition Preparation of articulator Preparation of the casts and mounting the upper cast on CL II articulator Mounting the lower cast Errors occurred	Mounting	Lectures using data show	quizzes, semester exams and final exams

		during mounting			
seventeenth	1	Selection of anterior teeth The factors of shade selection Size selection a. b. Width Length Form selection Materials of anterior teeth Difference between acrylic and porcelain teeth	Selection Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
eighteen	1	Shade Bucco-lingual width Mesio-distal length Occluso-gingival height Occlusal form Advantages of casp form teeth Advantages of non- cusp form teeth	Selection Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
nineteenth	1	Guideline of artificial teeth arrangement Arrangement of anterior teeth Arrangement of upper anterior teeth	Arrangement Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
twentieth	1	• Curve of Spee • Compensatory curves • Arrangement of lower posterior teeth • Arrangement of upper posterior teeth • Common errors in arrangement of teeth	Arrangement Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
Twenty –first	1	Waxing Definition Requirements of waxing the polish surfaces The procedure of waxing Establishing the posterior palatal seal area Procedure for carving of posterior palatal seal area	Waxing And Carving	Lectures using data show	quizzes, semester exams and final exams

		Advantages of posterior palatal seal • Esthetic consideration in complete denture			
Twenty - second	1	Occlusion Occlusion of complete denture Centric occlusion Centric relation	Complete Denture Occlusion	Lectures using data show	quizzes, semester exams and final exams
Twenty - third	1	Eccentric occlusion Concepts of complete denture occlusion Try-in appointment	Complete Denture Occlusion	Lectures using data show	quizzes, semester exams and final exams
Twenty - fourth	1	Flasking of the denture Flasking techniques	Processing Of The Denture (Flasking)	Lectures using data show	quizzes, semester exams and final exams
Twenty –fifth	1	Causes of errors in occlusion • Selective grinding • Correction of occlusal errors • Disadvantages of intra – oral correction • Advantages of extra – oral correction • Rules for selective grinding	Occlusal Correction	Lectures using data show	quizzes, semester exams and final exams
twenty-sixth	1	Procedure of finishing Grinding and cutting instruments Polishing of complete denture Principles of polishing Procedures of polishing	Finishing And Polishing Of Complete Denture	Lectures using data show	quizzes, semester exams and final exams
twenty-seventh	1	Types of material used in repair Causes of denture fracture Types of repair Laboratory procedure for repairing fractured denture base	Repair Of Complete Denture	Lectures using data show	quizzes, semester exams and final exams
twenty-eight	1	Replacement of broken or missing tooth Replacement of missing or lost part Requirement of repair	Repair Of Complete Denture	Lectures using data show	quizzes, semester exams and final exams
twenty-nine	1	Indication for relining or rebasing Relining	Relining And Rebasing	Lectures using data show	quizzes, semester exams

		Contraindications of relining and rebasing The impression techniques for relining and rebasing			and final exams
thirty	1	Laboratory procedures for relining Rebasing The chair – side reline technique	Relining And Rebasing	Lectures using data show	quizzes, semester exams and final exams

١١. Course evaluation

Quizzes & Attendance	2 marks per term / total 4/40
1st semester	12.5 marks
Med exams	15 marks
2nd semester	12.5 marks
Final exam written	40 marks
Final exam practical	20 marks

١٢. Learning and teaching resources

Textbook of complete denture 6^{th} edition updated 2009	
Dental laboratory technology for removable prosthodontics	

Laboratory sessions

No.	Title of the sessions	Hours
1	Clinical and laboratory steps of complete denture construction	4
2	Taking primary impression on metal mold by impression compound and beading and boxing and pouring by dental plaster	4
3	Pouring on rubber mold (upper and lower primary cast)	4
4	Description of anatomical landmarks (maxillary and mandibular arch)	4
5	Demonstration of making upper and lower special tray by cold cure Acrylic	4
	Finishing and polishing of special tray and evaluation	4
6	Demonstration of taking final impression and construction of master cast	4
7	Evaluation of record base construction, finishing and polishing	4
8	Bite rims construction (upper and lower arch)	4
9	Pouring on rubber mold (upper and lower primary cast)	4
10	Demonstration of face bow and fox bite and description of types of jaw Relation	4
11	Description about the methods of recording vertical jaw relation	4

12	Description about the methods of recording horizontal jaw relation	4
13	Demonstration about the types of articulators, parts, its uses and action	4
14	Mounting of upper and lower casts on articulators	4
15	Mounting of upper and lower casts on articulators (continue) and evaluation of the student work	4
16	Description the methods of selection of anterior and posterior teeth for complete denture	4
17	Demonstration about arrangement of upper and lower anterior teeth	4
18	Arrangement of upper and lower anterior teeth (continue) and evaluation of the student work	4
19	Demonstration about arrangement of upper and lower posterior teeth	4
20	Arrangement of upper and lower posterior teeth(continue).	4
21	Arrangement of posterior teeth and carving of posterior palatal seal and evaluation of the student work	4
22	Demonstration about carving and waxing of upper complete denture.	4
23	Carving and waxing of lower complete denture (continue) and evaluation of the student work	4
24	Flasking and investment of the denture	4
25	Wax elimination, packing and curing of heat cure acrylic	4
26	Deflasking ,finishing and polishing of upper complete denture	4
27	Deflasking ,finishing and polishing of lower complete denture (continue)	4
28	Demonstration of selective grinding	4
29	Repair of fracture denture	4
30	Repair of missing tooth	4
Total		120