Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus

Academic Program and Course Description Guide

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: **Hilla University**

Faculty/Institute: **Dentistry**

Scientific Department: **Pediatric and orthodontics and preventive dentistry**

Academic or Professional Program Name: **BDS**

Final Certificate Name: **BDS**

Academic System: **annual**

Description Preparation Date: **1–9–2024**

File Completion Date: **25–10–2024**

Signature:

Head of Department Name:

Ass. Pro. Dr. Ali Mohsin Alyassiry

Date: **25–10–2024**

Signature:

Scientific Associate Name:

Date: **25–10–2024**

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

1. **Program Vision**
Program vision is written here as stated in the university's catalogue and website.

2. **Program Mission**
Program mission is written here as stated in the university's catalogue and website.

3. **Program Objectives**
1-Preparing efficient personnel in the field of dentistry in Iraq. 2- Contributing to the development of personnel working in the field of dentistry in state institutions and departments. 3- Developing the capabilities of dentists 4- Spreading oral and dental health awareness.

4. **Program Accreditation**
Does the program have program accreditation? And from which agency?

5. **Other external influences**
Is there a sponsor for the program?

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements				
College Requirements				
Department Requirements				
Summer Training				
Other				

* This can include notes whether the course is basic or optional.

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
5th year		Preventive dentistry	30	120

8. Expected learning outcomes of the program

A. Cognitive goals

A1. Formulating information in a way that enables students to understand and increase knowledge regarding the diagnosis and treatment of various diseases such as tooth decay

A2. Giving instructions for dental care and health awareness to prevent tooth decay and gum disease

A3. Giving special instructions and preventive programs for oral and dental health to the elderly and adults with special needs

B. The skills goals special to the programme.

B1. Training the student in the treatment of tooth decay and the removal of plaque from the teeth.

B2. Training students on how to use fluoride to prevent cavities.

B3. Giving instructions for dental and oral health care.

C. Affective and value goals.

C1. Acquisition of the basic principles of educational curricula.

C2. The student's ability to solve problems and possess distinguished thinking.

9. Teaching and Learning Strategies

1. The method of lectures (Microsoft power point)).
2. The method of e-learning by uploading the lectures on the college website for the lectures of the teachers in the college.
3. Practical training for students in educational clinics
4. Using the Babylon University platform (Moodle) to raise lectures and take exams.
5. Using meeting programs (Zoom, Google meet) to communicate with students

10. Evaluation methods

Students are assessed by several means, including:

- Approving the attendance of students to the lecture and educational clinics
- Evaluation of students when treating some clinical cases in educational clinics
- Calculating a score for additional activities
- Doing daily exams
- Conducting mid-term, quarterly and final exams
- making reports.

11. Faculty

Faculty Members

Academic Rank	Specialization	Special Requirements/Skills (if applicable)	Number of the teaching staff

	General	Special			Staff	Lecturer
Ass. Lecturer Najran Mohammed Almurib	BDS	Master in preventive and public health community dentistry			✓	
					✓	
					✓	

Professional Development

Mentoring new faculty members

Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.

Professional development of faculty members

Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

12. Acceptance Criterion

The admission criteria include students who have a specific cumulative average according to the central admission system, as well as students who have the physical, mental and social ability to manage any medical condition or practice required by the study. Most dental schools require personal interviews with candidates to assess qualities such as willingness to help people, self-confidence, ability to face challenges, ability to work with people and ability to work independently.

13. **The most important sources of information about the program**
1. College and University website.
2. University Directory.
3. Books and scientific resources for the college.

14. Program Development Plan
-Negotiation and Persuasion: The student should be able to influence others, persuade them, discuss them and reach an agreement.
- Leadership: The student should be able to lead, motivate and direct others.
- Independence at work: The student should be able to assume responsibility and independence by working under various circumstances.

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
5th year		Preventive dentistry	Basic	√	√	√		√	√	√		√	√		

- **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**

Course Description Form

1. Course Name:
Preventive dentistry
2. Course Code:
HUC–DEN–044
3. Semester / Year:
2024–2025/ 1st and 2nd Semesters
4. Description Preparation Date:
25–10–2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
150/ 2
7. Course administrator's name (mention all, if more than one name)
Assistant lecturer Najran Mohammed
8. Course Objectives

Course Objectives	• **Introducing the importance of preventive dentistry and its applications for individuals and society, especially for widespread diseases such as tooth decay and gum disease, as well as with regard to nutrition and immune factors against oral and dental disease**
9. Teaching and Learning Strategies	
Strategy	Using various modern devices and equipment to deliver material to students as needed, including: Data show projector LCD screens Electronic boards Smart boards Live streaming through digital cameras

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Preventive dentistry	Prevention of oral diseases (introduction)	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester

					assessments, and final exams
2	1	Preventive dentistry	Dental caries development	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
3	1	Preventive dentistry	Diagnosis of dental caries	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
4	1	Preventive dentistry	Fluoride in dentistry	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
5	1	Preventive dentistry	Fluorides in prevention and controlling dental caries	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
6	1	Preventive dentistry	Topical fluoride therapy: Professionally applied fluoride	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
7	1	Preventive dentistry	Topical fluoride therapy :Self- applied fluoride	theoretical lecture using PowerPoint software.	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
8	1	Preventive dentistry	Safety and toxicity of fluoride	theoretical lecture using	Short quizzes, mid-term exams, end-

				PowerPoint software	of-semester assessments, and final exams
9	1	Preventive dentistry	Dental sealants	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
10	1	Preventive dentistry	New approach in restorative dentistry	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
11	1	Preventive dentistry	Microbiology of dental caries	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
12	1	Preventive dentistry	saliva and host defense mechanism	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
13	1	Preventive dentistry	Caries risk assessment	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
14	1	Preventive dentistry	Oral hygiene measures (Mechanical)	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
15	1	Preventive dentistry	Oral hygiene measures (Chemical)	theoretical lecture using	Short quizzes, mid-term

				PowerPoint software	exams, end-of-semester assessments, and final exams
16	1	Preventive dentistry	infection control	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
17	1	Preventive dentistry	Diet and dental caries	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
18	1	Preventive dentistry	Non- sugar sweeteners	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
19	1	Preventive dentistry	Dietary counseling in dental practice	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
20	1	Preventive dentistry	Nutrition and dental health	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
21	1	Preventive dentistry	Prevention of periodontal disease and oral cancer by nutrition	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams

22	1	Preventive dentistry	Probiotics and dental health	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
23	1	Preventive dentistry	Diagnosis and prevention of dental erosion	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
24	1	Preventive dentistry	Prevention of malocclusion	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
25	1	Preventive dentistry	preventive measure for population with developmental disabilities	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
26	1	Preventive dentistry	Preventive treatment strategies for medically compromised populations	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
27	1	Preventive dentistry	Ozone in the prevention of dental diseases	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
28	1	Preventive dentistry	Geriatric dentistry	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments,

					and final exams
29	1	Preventive dentistry	Implant care	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams
30	1	Preventive dentistry	Protection of the dentition	theoretical lecture using PowerPoint software	Short quizzes, mid-term exams, end-of-semester assessments, and final exams

11. Course Evaluation

Number	Assessment Measurement		Score distribution
1	First semester mid exam	40 %	20% Clinical requirement 20% Written exam
2	First semester final exam	60 %	35% Written exam 25% Practical exam
Total		100 %	
3	second semester mid exam	40 %	20% Clinical requirement 20% Written exam
4	Second semester final exam 60 %		35% Written exam 25% Practical exam
Total	100 %		

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	• The prevention of oral disease by Murry JJ NunnJH . and Steele JG fourth edition, 2003. • Primary Preventive Dentistry by Harris NO GarciaGodoyF-NatheCN 7th Ed. (2008). • Textbook of Cariology by Fejerscov and Thylstryp 1996 5-Principles and practice of public health dentistry by Krishna M and DasarPL.2010.
Main references (sources)	• Essential of dental caries the disease and its management by Kidd E third edition (2005). • Community dentistry by Sikri V and Sikri P 2008.

	• Text book of preventive and social - medicine. Gupta M. and Mahajan BK.3rd edition, 2003. Dentistry, dental practices and community. Striffler D, Young W., a edition 1999.
Recommended books and references (scientific journals, reports…)	• Oral health & preventive dentistry. Journal of International Society Preventive and Community Dentistry
Electronic References, Websites	• American Association of Public Health Dentistry. https://www.aaphd.org/ • International Society of Preventive and Community Dentistry. https://www.jispcd.org/