TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	Al-Hilla University College
2. University Department/Centre	Dentistry Department
3. Course title/code	Operative and Aesthetic Dentistry 4th stage / HUC-DEN-035
4. Modes of Attendance offered	Theory and Practical
5. Semester/Year	2023-2024
6. Number of hours tuition (total)	30 hours theory - 90 hours practical
7. Date of production/revision of this specification	26/3/2024
8. Aims of the Course	
The students are required to complete Amalgam Restorations (Class I, Class II) and Composite (tooth-colored) Restorations (Class I, Class II, Class III, Class IV, and Class V).	

9· Learning Outcomes, Teaching, Learning and Assessment Methods: Trying to link the attainted knowledge so that it will be useful in knowing how to make fillings for patients.

A- Cognitive goals. A1. Explaining theoretical and practical lectures in a way that enables the student to understand and comprehend them A2. Know the important information and treatment steps for fillings
B. The skills goals special to the course. B1. Training students to make all types of fillings for the anterior and posterior teeth using artificial teeth mounted on phantom heads. B2. Training students on the dental preparation process and according to the type of crowns required
Teaching and Learning Methods
Lectures and theoretical and practical lessons / explanatory films on the electronic display screen
Assessment methods
Short, quick exams, in addition to mid and annual exams, as well as homework
C. Affective and value goals C1- Honesty C2- Sincerity C3- Explaining the complications and correct diagnosis for the patient C4- Interfering with the professor at the appropriate time.
Teaching and Learning Methods
Theoretical and practical lectures, in addition to effective discussions within the lectures
Assessment methods
1- Quizzes. 2- 1st course theory 3- 1st course practical 4- Midyear Exam theory 5- Midyear exam practical 6- 2nd course theory 7- 2nd course practical 8- Final clinical exam 9- Final exam theory

D. General and rehabilitative transferred skills(other skills relevant to employability and personal development)

D1.
D2.
D3.
D4.

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	Operative	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry.	Theoretical lectures by power-point	Quizzes
2	2	Operative	Biologic Considerations of Dentin Structure & its Clinical Significance in Operative Dentistry	Theoretical lectures by power-point	Quizzes
3	1	Operative	Caries Management (Diagnosis & treatment strategies)	Theoretical lectures by power-point	Quizzes
4	1	Operative	Patient Evaluation, Diagnosis & Treatment Planning	Theoretical lectures by power-point	Quizzes
5	1	Operative	Cervical Lesions(carious and non-carious lesions)	Theoretical lectures by power-point	Quizzes
6	1	Operative	Restorative Dentistry and Pulpal Health	Theoretical lectures by power-point	Quizzes
7	1	Operative	Management of Deep Seated Caries.	Theoretical lectures by power-point	Quizzes
8	1	Operative	Inflammatory Conditions of the Pulp.	Theoretical lectures by power-point	Quizzes
9	1	Operative	Treatment of Deep Seated Caries Simplified Anatomical Modeling.	Theoretical lectures by power-point	Quizzes
10	1	Operative	Fluoride – Releasing Materials	Theoretical lectures by power-point	Quizzes
11	1	Operative	Indirect aesthetic adhesive restorations Inlays and Onlays (materials, techniques) CAD/CAM Technology.	Theoretical lectures by power-point	Quizzes
12	1	Operative	Direct tooth-colored restorations(Composite)	Theoretical lectures by power-point	Quizzes
13	1	Operative	Dental Laser	Theoretical lectures by power-point	Quizzes

14	2	Operative	Application of Laser in Conservative Dentistry.	Theoretical lectures by power-point	Quizzes
15	1	Operative	Indirect tooth-colored restorations.	Theoretical lectures by power-point	Quizzes
16	1	Operative	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays.	Theoretical lectures by power-point	Quizzes
17	2	Operative	Ceramic veneers, inlays and onlays, clinical procedures.	Theoretical lectures by power-point	Quizzes
18	1	Operative	CAD/CAM techniques	Theoretical lectures by power-point	Quizzes
19	2	Endodontic	Objective of endodontic treatment	Theoretical lectures by power-point	Quizzes
20	1	Endodontic	Basic Phases of Treatment	Theoretical lectures by power-point	Quizzes
21	1	Endodontic	Pulp pathologies	Theoretical lectures by power-point	Quizzes
22	1	Endodontic	Classification of periapical diseases	Theoretical lectures by power-point	Quizzes
23	1	Endodontic	Access Opening Preparation	Theoretical lectures by power-point	Quizzes
24	1	Endodontic	Endodontic Instruments	Theoretical lectures by power-point	Quizzes
25	1	Endodontic	Roentgenography in Endodontics and Root Canal Preparation	Theoretical lectures by power-point	Quizzes
Total	٣٠				

Operative and Aesthetic Dentistry Number	Title of the lectures	Hours
1	Biologic Considerations of Enamel Structure and its Clinical Significance in Practice of Operative Dentistry.	1
2	Biologic Considerations of Enamel Structure and its Clinical Significance in Practice of Operative Dentistry.	1
3	Biologic Considerations of Dentin Structure & its Clinical Significance in Operative Dentistry	1
4	Biologic Considerations of Dentin Structure & its Clinical Significance in Operative Dentistry	1
5	Patient Evaluation, Diagnosis & Treatment Planning	1
6	Caries Management (Diagnosis & treatment strategies)	1
7	Cervical Lesions(carious and non-carious lesions)	1
8	Restorative Dentistry and Pulpal Health	1
9	Management of Deep Seated Caries	1
10	Inflammatory Conditions of the Pulp	1
11	Treatment of Deep Seated Caries Simplified Anatomical Modeling.	1
12	Fluoride – Releasing Materials	1
13	Indirect aesthetic adhesive restorations Inlays and Onlays (materials, techniques) CAD/CAM Technology.	1
14	Direct tooth-colored restorations(Composite)	1
15	Dental Laser	1
16	Application of Laser in Conservative Dentistry.	1
17	Application of Laser in Conservative Dentistry.	1
18	Indirect tooth-colored restorations	1
19	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays.	1
20	Ceramic veneers, inlays and onlays, clinical procedures.	1
21	Ceramic veneers, inlays and onlays, clinical procedures.	1
22	CAD/CAM techniques	1
Total	**22**	

No.	Endodontic	Hours
1	Topics Covered	**1**
2	1-Objective of endodontic treatment	**1**
3	2- Basic Phases of Treatment	**1**
4	3- Pulp pathologies	**1**
5	Classification of periapical diseases	**1**
6	Access Opening Preparation	**1**
7	Endodontic Instruments	**1**
8	Roentgenography in Endodontics and Root Canal Preparation	**1**
Total	**8**	

Clinical requirements (Preclinical Endodontic) Lab number	Study unit title	Hours
1	Introduction	3
2	Block construction	3
3	Diagnosis	3
4	Quiz 1 in lab 1,2&3 +Access opening	3
5	Quiz 2 in lab 4 +Clinical access opening to	3
6	one anterior tooth and two premolar teeth	3
7		3
8	Instrument	3
9	Equipment and materials	3
10	Quiz 3 clinical quiz in lab 8&9, Working length estimation demonstration.	3
11	Quiz 4 in lab 11 + clinical working length	3
12	estimation on the same three teeth.	3
13		3
14		3
15	Rubber dam application	3
16	Quiz 5 clinical quiz in lab 15	3
17	Review	3
18	Root canal instrumentation.	3
19	Quiz 6 in lab 18 + clinical instrumentation	3
20	to the same teeth	3
21		3
22		3
23		3

24	Root canal obturation.	3
25	Quiz 7 in lab 24 clinical obturation to	3
26	three teeth.	3
27		3
28	Review	3
29		3
30		3
Total	**90**	

11. Infrastructure	
1. Books Required reading:	- Contemporary fixed prosthodontics - Summitt's Fundamentals of Operative Dentistry
2. Main references (sources)	Books and Internets
A- Recommended books and references (scientific journals, reports…).	- Sturdevant's Art and Science of Operative Dentistry
B-Electronic references, Internet sites…	
12. The development of the curriculum plan	
1- Update assessment methods 2- Using modern teaching methods that facilitate clarifying information to students 3- Encouraging e-learning 4- Developing academic content according to the development of international curricula	

Name and Signature: Assistant lecturer Dr. Maitham Yahya Altufaili.

Chief of Dentistry Department: Assistant Professor Dr. Ali Mohsen Al-Yassir.