

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	Higher Education - Faculty of Dentistry
2. University Department/Centre	Faculty of Prosthodontics
3. Course title/code	dental material / DM 209
4. Modes of Attendance offered	Student attendance at lectures and laboratories
5. Semester/Year	Two semesters / second stage
6. Number of hours tuition (total)	60 hours theoretical / 60 hours practical
7. Date of production/revision of this specification	2020-2021
8. Aims of the Course	
Learn the physical, chemical and mechanical properties of materials used in dentistry and learn the skills necessary for the correct handling and adaptation of these materials.	
Learn how to identify the different main and sub classes of dental materials.	

9. Learning Outcomes, Teaching ,Learning and Assessment Methods

<p>A- Cognitive goals. A1. Introducing the student to the different types of materials involved in dentistry.</p> <p>A2. Give the necessary information to deal with this material.</p> <p>A3. Giving instructions and following up the process of using materials from mixing and following up on the interactions that the material undergoes to reach the end of the interaction.</p>
<p>B. The skills goals special to the course.</p> <p>B1. Description of the tools used to prepare all materials.</p> <p>B2.</p>
Teaching and Learning Methods
Live explanation and dealing with all types of materials mentioned within the curriculum scheduled in front of students after dividing them into groups on the number of days of the week, data show, lecture, LCD.
Assessment methods
Weekly, monthly, semi-annual and annual exams.
<p>C. Affective and value goals C1.</p> <p>Solving problems</p> <p>C2. Able to deal with dental materials in various conditions, from changing the temperature or changing the proportions to mixing these materials to reach the best results.</p> <p>C3.</p>
Teaching and Learning Methods
Live explanation and dealing with all types of materials mentioned within the curriculum scheduled in front of students after dividing them into groups on the number of days of the week, data show, lecture, LCD.
Assessment methods
Theoretical exams

D. General and rehabilitative transferred skills(other skills relevant to employability and personal development)
D1. Teaching students the method of dialogue and discussion to solve dilemmas.
D2.

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2		Introduction to dental materials (Definition and importance).	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
2	3		Physical, Mechanical, chemical and biological properties	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
3	3		Gypsum products plaster of Paris, stone	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
4	2		Investments	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
5	2		Impression materials, classification	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
6	2		Indications and uses of impression	As for the theoretical curriculum, the teaching method includes	Short exams quarterly, semi-

			materials	preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
7	3		Properties of impression materials	As for the theoretical curriculum, Short exams the teaching method includes quarterly, semi-preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
8	2		Nonmetallic denture base materials	As for the theoretical curriculum, Short exams the teaching method includes quarterly, semi-preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
9	1		History, Types of polymers	As for the theoretical curriculum, Short exams the teaching method includes quarterly, semi-preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
10	2		Polymerization	As for the theoretical curriculum, Short exams the teaching method includes quarterly, semi-preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
11	3		Heat and cold cured acrylic resin properties	As for the theoretical curriculum, Short exams the teaching method includes quarterly, semi-preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
12	2		Light cured, flexible acrylic	As for the theoretical curriculum, Short exams the teaching method includes quarterly, semi-preparing lectures using the annual and final. For Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with

				dental materials.	
13	3		Metallic denture base materials, Stainless steel, Cobalt-chromium	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
14	1		Gold	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
15	2		Precious and non-precious metals	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
16	2		Metals for crowns and bridges	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
17	2		Waxes, Types, composition, and uses	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
18	1		Soft liners, types, composition	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
19	2		Tissue conditioners	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory, it includes live explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports

				laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
20	2		Artificial teeth, Acrylic, porcelain, advantages and disadvantages	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
21	2		Non-colored filling materials	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
22	3		Amalgam restorative materials, types and properties	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
23	1		Dental cements and cavity liners	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
24	2		Linking materials	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
25	2		Temporary fillings, periodontal packs	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with preparation of reports students, and direct dealing with dental materials.
26	3		Polishing materials	As for the theoretical curriculum, Short exams

			and abrasive materials	the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with students, and direct dealing with dental materials.	quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
27	3		Maxillofacial materials Implant materials	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports
28	2		Miscellaneous	As for the theoretical curriculum, the teaching method includes preparing lectures using the Power Point program. As for the laboratory practical laboratory, it includes live examinations and explanation, interaction with students, and direct dealing with dental materials.	Short exams quarterly, semi-annual and final. For laboratory practical examinations and preparation of reports

11. Infrastructure	
1. Books Required reading:	<ul style="list-style-type: none"> • Phillips applied dental material • Restorative dental material • Dental material their selection and use
2. Main references (sources)	<ul style="list-style-type: none"> • John F. McCabe, Angus Walls Applied Dental Materials [9th ed] • William J. O'Brien Dental Materials and Their Selection [3 ed.]
A- Recommended books and references (scientific journals, reports...).	<ul style="list-style-type: none"> • Dental Materials - Journal – Elsevier • Journal of Dental Materials and Techniques • International Journal of Dental Materials
B-Electronic references, Internet sites...	<ul style="list-style-type: none"> • Dentmark: Dental Equipment • Dental Materials Fact Sheet • Dental materials - Latest research and news Nature
12. The development of the curriculum plan	
Requires standardization of curriculum vocabulary for dental faculties	

