

## **In the Name of God**

### **Islamic Republic of Iran Ministry of Health and Medical Education Deputy Ministry for Education**

## **Restorative Dentistry**

**Degree: Specialty equivalent to Master of Science (MSc)**

### **Total Course Credits**

• Core courses	87	
• Common basic sciences	13.5	•
Related sciences	14	

### **Program Description**

Considering the ever-increasing rate of progress in science and information explosion all over the world and in Iran and almost 35 years after the establishment of specialty courses in dentistry in Iran, it seems it is absolutely necessary to revise the curricula of these courses.

In this context, based on the guidelines of the Council for General and Specialty Dental Courses, special committees for programming of education in the field of dentistry were made responsible to revise the curricula of specialty courses. The committees consisted of the examining board members, evaluation group members, executive managers and specialty association members and some young experts. Each committee asked for opinions of expert graduates and current post-graduate students, and evaluated the contents of educational programs in different countries to prepare a new curriculum for the specialty course and submitted it to the Higher Commission for Dental Education Programming. Under the auspices of God, the Almighty, the committees responsible for revising the curriculum for Restorative Dentistry specialty course have prepared a new curriculum for this course, which will be implemented after the approval of the Council for General and Specialty Dental Courses.

### **Definition**

Restorative dentistry is one of the specialty courses in dentistry, which aims to prevent and diagnose caries, reconstruct teeth and enhance esthetic appearance. Graduates passing the specialty exams held by the authorities of the Ministry of Health, Treatment and Medical Education will be certified as restorative dentistry specialists.

### **The General Aim**

The aim of the new curriculum in the field of restorative dentistry is to train specialists who have achieved the standards of knowledge, beliefs and opinions and practical skills up to national and global standards. In addition, the graduates should be able to provide high-quality preventive and therapeutic services and have an active role in expanding the boundaries of knowledge and research within the framework of their specialty field.

### **Admission Requirements**

- Holding an DDS or DMD degree
- Having passed the National Entrance Exam

### **Expected Competencies at the End of the Program**

## General Competencies\* Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- Have thorough knowledge of the dental histology, physiology, anatomy, occlusion and the relevant disorders
- Have the knowledge of caries etiology, clinical characteristic, risk assessment and management
- Have the capacity to assess, diagnose, prepare treatment plan and restore lost dentition
- Have the ability to carry out comprehensive esthetic treatment
- Have the capacity to diagnose, prepare treatment plan and solve problems of occlusion and TMJ disorders
- Have the ability to access scientific sources, carry out research and teach

## Educational Strategies, Methods and Techniques\*

### Student Assessment (Methods and Types)

- Formative
- Summative
- Comprehensive exam (written and vivo)

## Ethical Considerations\*

\*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>.)

## Tables of the Courses

**Table 1. The common basic sciences courses in Restorative Dentistry PhD**

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
1	Medical education (1)	-	-	1	-	-	51	1	-
2	Medical education (2)	-	-	2	-	-	102	2	-
3	Dental equipment*	-	-	1	-	-	51	1	-
4	Research methods and EBD	-	-	2	-	-	102	2	-
5	Pharmacology	1	-	-	17	-	-	1	-
6	Clinical photography	-	-	1	-	-	51	1	-
7	Medical emergencies	-	-	0.5	-	-	24	0.5	-

8	Medical laws and professional ethics*	-	-	1	-	-	51	1	-
9	Infection control and patient safety	-	-	1	-	-	51	1	-
10	Clinical management and authority	-	-	1	-	-	51	1	-
11	Tissue engineering*	2	-	-	34	-	-	2	-
Total		3	-	10.5	51	-	534	13.5	-

\*These courses are optional and the post-graduate students should select at least 2 units.

**Table 2. The related sciences courses in Restorative Dentistry PhD**

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
12	Orthodontics	1	-	-	17	-	-	1	-
13	Dental implants	1	-	-	17	-	-	1	16
14	Dental implants	-	1	-	-	34	-	1	16
15	Occlusion (1)	2	-	-	34	-	-	2	57
16	Occlusion (2)	1	-	-	17	-	-	1	15
17	Endodontics	1	-	-	17	-	-	1	-
18	Endodontics	-	1	-	-	34	-	1	-
19	Fixed prosthesis	1	-	-	17	-	-	1	-
20	Fixed prosthesis	-	1	-	-	34	-	1	-
21	Periodontics	1	-	-	17	-	-	1	-
22	Periodontics	-	1	-	-	34	-	1	-
23	Oral and maxillofacial radiology	1	-	-	17	-	-	1	-
24	Oral and maxillofacial radiology	-	1	-	-	34	-	1	-
Total		9	5	-	153	170	-	14	-

**Table 3. The core courses in Restorative Dentistry PhD**

Course title	Units and the course types	Total hours of the courses	Total units	Prerequisites
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Code of the course		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
25	Case presentation (1)	2	-	-	34	-	-	2	-
26	Case presentation (2)	2	-	-	34	-	-	2	25
27	Evidence-based case presentation	1	-	-	17	-	-	1	32
28	CAD/CAM systems	1	-	-	17	-	-	1	-
29	Lasers in restorative dentistry	1	-	-	17	-	-	1	-
30	Literature review (1)	1	-	-	17	-	-	1	43
31	Literature review (2)	2	-	-	34	-	-	2	30
32	Literature review (3)	3	-	-	51	-	-	3	31
33	Literature review (4)	3	-	-	51	-	-	3	32
34	Literature review (5)	4	-	-	68	-	-	4	33
35	Thesis (1)	-	-	2	-	-	102	2	-
36	Thesis (2)	-	-	2	-	-	102	2	35
37	Thesis (3)	-	2	-	-	68	-	2	36
38	Thesis (4)	-	-	2	-	-	102	2	37
39	Thesis (5)	-	-	2	-	-	102	2	38
40	Restorative dentistry preclinic (1)	-	3	-	-	102	-	3	-
41	Restorative dentistry preclinic (2)	-	2	-	-	68	-	2	40
42	Diagnosis and treatment planning in restorative dentistry	2	-	-	34	-	-	2	-
43	Restorative dentistry (1)	2	-	-	34	-	-	2	-
44	Restorative dentistry (2)	2	-	-	34	-	-	2	43
45	Restorative dentistry (3)	2	-	-	34	-	-	2	44
46	Restorative dentistry (1)	-	2	-	-	68	-	2	40
47	Restorative dentistry (2)	-	4	-	-	136	-	4	46
48	Restorative dentistry (3)	-	4	-	-	136	-	4	47
49	Restorative dentistry (4)	-	4	-	-	136	-	4	48
50	Restorative dentistry (5)	-	6	-	-	204	-	6	49
51	Esthetic dentistry (1)	2	-	-	34	-	-	2	-

52	Esthetic dentistry (2)	2	-	-	34	-	-	2	51
53	Esthetic dentistry (3)	2	-	-	34	-	-	2	52
54	Cariology and the role of microorganisms in caries	3	-	-	51	-	-	3	-
55	Cariology and the relevant literature review	2	-	-	34	-	-	2	54
56	Direct gold (adhesive)	1	-	-	17	-	-	1	-
57	Dental morphology	-	1	-	-	34	-	1	-
58	Participation in training students (1)	-	2	-	-	68	-	2	-
59	Participation in training students (2)	-	2	-	-	68	-	2	58
60	Participation in training students (3)	-	2	-	-	68	-	2	59
61	Dental materials (1)	1	-	-	17	-	-	1	-
62	Dental materials (2)	2	-	-	34	-	-	2	61
63	Dental materials (3)	2	-	-	34	-	-	2	62
<b>Total</b>		<b>45</b>	<b>34</b>	<b>8</b>	<b>697</b>	<b>1292</b>	<b>408</b>	<b>87</b>	<b>-</b>

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