



*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

### Total Course Credits

- |                          |      |
|--------------------------|------|
| • Core courses           | 87   |
| • General 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.

## **Duration of the course**

The specialty course of oral and maxillofacial pathology lasts 3 years (6 semesters) and is a full-time course based on the guidelines of the Council for General and Specialty Dental Courses.

## **Admission Requirements**

- B.D.S./D.M.D./D.D.S or equivalent certificates for the applicants of Specialty
- Certificate of Internship or Certificate of Practice

## **Language Requirements:**

- Language requirements: Evidence of English Proficiency on the TOEFL or IELTS tests. The minimum score for TOEFL PBT, TOEFL iBT and IELTS is 533, 72 and 5.5 respectively.
- Applicants from Persian (Farsi) Speaking countries (They shall both speak and write in Persian) who have applied for graduate Degree-based programs may be exempted, based on the decision of the department, from submitting any certificates regarding their English Language Proficiency. Nevertheless, they are required to hand in their English language certificate which meets SUMS' minimal language proficiency requirements, within one year from commencing their studies at SUMS.

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

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 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

**Student Assessment (Methods and Types)**

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

## Table of the Course

**Table 1. The general basic sciences courses in Restorative Dentistry Ph.D.**

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units	Prerequisite
		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 Ph.D.**

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units	Prerequisite
		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 Ph.D.**

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units	Prerequisite
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop		
25	Case Presentation (1)	2	-	-	34	-	-	2	-
26	Case Presentation (2)	2	-	-	34	-	-	2	<b>25</b>
27	Evidence-based Case Presentation	1	-	-	17	-	-	1	<b>32</b>
28	CAD/CAM System	1	-	-	17	-	-	1	-
29	Lasers in Restorative Dentistry	1	-	-	17	-	-	1	-
30	Literature Review (1)	1	-	-	17	-	-	1	<b>43</b>
31	Literature Review (2)	2	-	-	34	-	-	2	<b>30</b>
32	Literature Review (3)	3	-	-	51	-	-	3	<b>31</b>
33	Literature Review (4)	3	-	-	51	-	-	3	<b>32</b>
34	Literature Review (5)	4	-	-	68	-	-	4	<b>33</b>
35	Thesis (1)	-	-	2	-	-	102	2	-
36	Thesis (2)	-	-	2	-	-	102	2	<b>35</b>
37	Thesis (3)	-	2	-	-	68	-	2	<b>36</b>
38	Thesis (4)	-	-	2	-	-	102	2	<b>37</b>
39	Thesis (5)	-	-	2	-	-	102	2	<b>38</b>
40	Restorative Dentistry Preclinic (1)	-	3	-	-	102	-	3	-

**Table 3. The core courses in Restorative Dentistry Ph.D. (Continued)**

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units	Prerequisite
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop		
41	Restorative Dentistry Preclinic (2)	-	2	-	-	68	-	2	<b>40</b>
42	Diagnostic and Treatment Planning in Restorative Dentistry	2	-	-	34	-	-	2	-
43	Restorative Dentistry (1)	2	-	-	34	-	-	2	-
44	Restorative Dentistry (2)	2		-	34	-	-	2	<b>43</b>
45	Restorative Dentistry (3)	2	-	-	34	-	-	2	<b>44</b>
46	Restorative Dentistry (1)	-	2	-		68	-	2	<b>40</b>
47	Restorative Dentistry (2)	-	4	-		136	-	4	<b>46</b>
48	Restorative Dentistry (3)	-	4	-		136	-	4	<b>47</b>
49	Restorative Dentistry (4)	-	4	-		136	-	4	<b>48</b>
50	Restorative Dentistry (5)	-	6	-		204	-	6	<b>49</b>
51	Esthetic Dentistry (1)	2	-	-		-	-	2	-
52	Esthetic Dentistry (2)	2	-	-		-	-	2	<b>51</b>
53	Esthetic Dentistry (3)	2	-	-		-	-	2	<b>52</b>
54	Cariology and the Role Microorganisms in Caries	3	-	-		-	-	3	-
55	Cariology and the Relevant Literature Review	2	-	-		-	-	2	<b>54</b>

**Table 3. The core courses in Restorative Dentistry Ph.D. (Continued)**

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units	Prerequisite
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop		
56	Direct Gold (Adhesive)	1	-	-		-	-	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	<b>58</b>
60	Participation in training students (3)	-	2	-		68	-	2	<b>59</b>
61	Dental materials (1)	1	-	-		-	-	1	-
62	Dental materials (2)	2	-	-		-	-	2	<b>61</b>
63	Dental materials (3)	2	-	-		-	-	2	
Total		45	34	8		1292	408	87	-



***Important Notice:***

The above features the curriculum of the Restorative Dentistry Program designed and approved by the Iranian Ministry of Health and Medical Education. Given the fact that Shiraz University of Medical Sciences is constantly improving and updating itself to meet the international academic standards and the state of the art, and based on the availability of facilities, devices, ward, laboratories, etc. at SUMS, all the SUMS curricula are approximately 20% subject to change.