



In the Name of God

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

Pediatric Dentistry

Degree: Specialty equivalent to Master of Science

Total Course Credits

- | | |
|--|------|
| • General basic sciences: | 9.5 |
| • Specific basic sciences: | 3.5 |
| • Faculty-presented related sciences: | 16.5 |
| • Hospital-presented related sciences: | 5.5 |
| • Core courses: | 86 |

Program Description

Considering the ever-increasing rate of progress in various sciences, especially in the dental field, which is younger than other medical fields, it seems it is absolutely necessary to revise the educational curricula in these fields. Such revisions were deemed necessary considering: 1) changes in the needs of community members and dental specialists; 2) changes and innovations in the field of prevention and provision of oral health services and also the results of evaluations and determination of real needs as reported by recent graduates and post-graduate students of pediatric dentistry. On the other hand, the guidelines of pediatric dentistry prepared by the Supreme Committee of this field have made it mandatory to revise the curriculum of pediatric dentistry. Therefore, the present revised curriculum was prepared.

Definition

Pediatric dentistry is one of the specialty courses in dentistry, which aims to prevent, preserve and promote health, and diagnose and treat orodental diseases in healthy children and adolescents and in individuals with special needs. The educational materials in this specialty field consist of the materials taught during the general dental course but at a higher and more extensive learning level. Graduates passing the specially exams held by the authorities of the Ministry of Health, Treatment and Medical Education will be certified as pediatric dentistry specialists.

The Aim

The aim of the new curriculum is to train pediatric dentistry specialists who have achieved the global and national standards of knowledge levels, academic and clinical skills, beliefs and professional behaviors. In addition, the graduates are expected to offer high-quality preventive and diagnostic services and also offer educational and research services.

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:

- Complete examination and designing a comprehensive treatment plan
- Controlling children's behavior
- Detecting oral cavity's acquired and evolutionary anomalies and disorders
- Applying dental caries preventive methods

- Children's milk and permanent teeth treatment
- Applying fissure sealant and preventive resinous treatment
- Children's primary and permanent teeth pulp treatment
- Management and treatment of traumatized teeth
- Dental Hospital services
- Dentistry for disabled children and adolescents
- Managing and supervising occlusion in children and adolescents

Student Assessment (Methods and Types)

- Formative
- Summative
- Comprehensive exam

Table of the Course

Table 1. The general basic sciences courses in Pediatric Dentistry M.Sc.

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
1	Medical Education (1)	-	-	1	-	-	51	
2	Medical Education (2)	-	-	2	-	-	102	2
3	Research Methods and EBD	-	-	2	-	-	102	2
4	Clinical Photography	-	-	1	-	-	51	1
5	Medical Emergencies	-	-	0.5	-	-	24	0.5
6	Medical laws and Professional ethics	-	-	1	-	-	51	1
7	Infection Control and Patient's Safety	-	-	1	-	-	51	1
8	Clinical Management Authority	-	-	1	-	-	51	1
Total		-	-	9.5	-	-	483	9.5

Table of the Course

Table 2. The specific basic sciences courses in Pediatric Dentistry M.Sc.

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
9	Immunology	0.5	-	-	9	-	-	0.5
10	Applied Head and Neck Anatomy in Children	1	-	-	17	-	-	1
11	Growth and Development of the Head and Face	1	-	-	17	-	-	1
12	Oral Lesions in Children	0.5	-	-	9	-	-	0.5
13	Oral Physiology and Biology	0.5	-	-	9	-	-	0.5
14	Applied of Lasers in Pediatric Dentistry	-	-	1	-	-	51	1
15	Workshop on Judicious Prescription of Medicine in Pediatric Dentistry	-	-	1	-	-	51	1
Total		3.5	-	2	61	-	102	5.5

Table of the Course

Table 3. The faculty-presented related sciences courses in Pediatric Dentistry M.Sc.

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
16	Orthodontics	3	-	-	51	-	-	3
17	Orthodontics (1)	-	1	-	-	34	-	1
18	Orthodontics (2)	-	1	-	-	34	-	1
19	Orthodontics (3)	-	1	-	-	34	-	1
20	Orthodontics (4)	-	1	-	-	34	-	1
21	Endodontic	0.5	0.5	-	9	17	-	1
22	Oral diseases (1)	-	0.5	-	-	17	-	0.5
23	Oral diseases (2)	-	0.5	-	-	17	-	0.5
Total		3.5	-	2	61	-	102	5.5

Table of the Course

Table 4. The hospital-presented related sciences courses in Pediatric Dentistry M.Sc.

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
31	General Anesthesia and sedation	-	0.5	-	-	17	-	0.5
32	Pediatric Medicine	0.5	0.5	-	9	17	-	1
33	Treatment of Children with Special Needs (1)	-	2	-	-	68	-	2
34	Treatment of Children with Special Needs (2)	-	2	-	-	68	-	2
Total		0.5	5	-	9	170	-	5.5

Table of the Course

Table 5. The core courses in Pediatric Dentistry M.Sc.

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
35	Case Presentation (1)	2	-	-	34	-	-	2
36	Case Presentation (2)	2	-	-	34	-	-	2
37	Case Presentation (3)	2	-	-	34	-	-	2
38	Case Presentation (4)	2	-	-	34	-	-	2
39	Literature Review (1)	2	-	-	34	-	-	2
40	Literature Review (2)	2	-	-	34	-	-	2
41	Literature Review (3)	3	-	-	51	-	-	3
42	Literature Review (4)	2	-	-	34	-	-	2

Table of the Course

Table 5. The core courses in Pediatric Dentistry M.Sc. (C0ntinued)

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
43	Literature Review (5)	1	-	-	17	-	-	1
44	Thesis (1)	-	-	2	-	-	102	2
45	Thesis (2)	-	-	2	-	-	102	2
46	Thesis (3)	-	2	-	-	68	-	2
47	Thesis (4)	-	-	2	-	-	102	2
48	Thesis (5)	-	-	2	-	-	102	2
49	Research in Community Dentistry (1)	-	-	1	-	-	51	1
50	Research in Community Dentistry (2)	-	1	1	-	34	51	2

Table of the Course

Table 5. The core courses in Pediatric Dentistry M.Sc. (Continued)

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
51	Pediatric Dentistry (1)	3	-	-	51	-	-	3
52	Pediatric Dentistry (2)	3	-	-	51	-	-	3
53	Pediatric Dentistry (3)	2	-	-	34	-	-	2
54	Pediatric Dentistry (4)	3	-	-	51	-	-	3
55	Pediatric Dentistry (5)	2	-	-	34	-	-	2
56	Pediatric Dentistry (1)	-	6	-	-	204	-	6
57	Pediatric Dentistry (2)	-	8	-	-	272	-	8
58	Pediatric Dentistry (3)	-	8	-	-	272	-	8

Table of the Course

Table 5. The core courses in Pediatric Dentistry M.Sc. (Continued)

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
59	Pediatric Dentistry (4)	-	6	-	-	204	-	6
60	Pediatric Dentistry (5)	-	6	-	-	204	-	6
61	Pediatric Dentistry (6)	-	2	-	-	68	-	2
62	Participation In Student' S Training (1)	-	2	-	-	68	-	2
63	Participation In Student' S Training (2)	-	2	-	-	68	-	2
64	Participation In Student' S Training (3)	-	2	-	-	68	-	2
59	Pediatric Dentistry (4)	-	6	-	-	204	-	6
60	Pediatric Dentistry (5)	-	6	-	-	204	-	6

Table of the Course

Table 5. The core courses in Pediatric Dentistry M.Sc. (Continued)

Code of the Course	Title of the Course	Units and the course types			Hours			Total Units
		Theoretical	Practical	Workshop	Theoretical	Practical	workshop	
61	Pediatric Dentistry (6)	-	2	-	-	68	-	2
62	Participation In Student' S Training (1)	-	2	-	-	68	-	2
63	Participation In Student' S Training (2)	-	2	-	-	68	-	2
64	Participation In Student' S Training (3)	-	2	-	-	68	-	2
Total		31	45	10	527	1530	510	86

Important Notice:

The above features the curriculum of the Pediatric 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.