

## Course Description

1. Course Name:	
Orthodontics	
2. Course Code:	
DEN11528	
3. Semester / Year:	
Semester/Year	
4. Description Preparation Date:	
2025-2026	
5. Available Attendance Forms:	
Practical (clinics and seminars) and theoretical (lectures)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 120 hours/6 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. Karrar Hameed Email: dr.karrar1985@gmailcom	
8. Course Objectives	
<b>Course Objectives</b>	<p><b>Department Vision:</b></p> <p>The Orthodontics Department aspires to lead in delivering comprehensive and specialized dental care, ensuring the effective and high-quality fulfillment of patients' needs. Our vision is built upon the following pillars:</p> <ol style="list-style-type: none"> <li>1. <b>Comprehensive and Specialized Care:</b> Providing high-quality orthodontic services through integrated healthcare that effectively and safely meets patients' needs.</li> <li>2. <b>Academic and Clinical Excellence:</b> Committed to offering innovative educational and training programs that prepare highly qualified professionals in the field of orthodontics.</li> <li>3. <b>Promotion of Scientific Research and Innovation:</b> Supporting and encouraging scientific research aimed at developing advanced treatment techniques that contribute to improving oral health and patients' quality of life.</li> <li>4. <b>Community Service:</b> Contributing to raising community awareness through educational and preventive programs, and providing guidance and support to patients and their families on proper dental care.</li> </ol>

## 9. Teaching and Learning Strategies

<b>Strategy</b>	<p>The teaching strategy relies on the use of multimedia and modern educational technologies, including:</p> <ul style="list-style-type: none"> <li>• Delivering lectures using PowerPoint presentations to organize and simplify the content.</li> <li>• Guiding students to reliable educational websites to support self-learning.</li> <li>• Providing additional support through educational clinics to help students overcome academic difficulties.</li> </ul>
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## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Orthodontics	History and clinical examination (part1)	Theoretical lectures by PDF and Power point	Daily exams  Seminars  Semester exams  Mid exam  Final exams
2	1	Orthodontics	History and clinical examination (part2)		
3	1	Orthodontics	Occlusion		
4	1	Orthodontics	Temporomandibular disorders		
5	1	Orthodontics	Lateral cephalometric		
6	1	Orthodontics	Orthopantomogram		
7	1	Orthodontics	Study models		
8	1	Orthodontics	Diagnostic records (Photographs, 3D imaging and other views)		
9	1	Orthodontics	Treatment planning		
10	1	Orthodontics	Orthodontic treatment for medically compromised patients		
11	1	Orthodontics	Orthodontic Indices		
12	1	Orthodontics	Space analysis		
13	1	Orthodontics	Serial extraction		
14	1	Orthodontics	Teeth extraction in orthodontics		
15	1	Orthodontics	Treatment of general factors (crowding and spacing)		

16	1	Orthodontics	Etiology of malocclusion		
17	1	Orthodontics	Crossbite		
18	1	Orthodontics	Deep bite		
19	1	Orthodontics	Open bite		
20	1	Orthodontics	Aberrant position of canine		
21	1	Orthodontics	Treatment of Class I malocclusion		
22	1	Orthodontics	Treatment of Class II division I malocclusion		
23	1	Orthodontics	Treatment of Class II division II malocclusion		
24	1	Orthodontics	Treatment of Class III malocclusion		
25	1	Orthodontics	Bad oral habit		
26	1	Orthodontics	Orthognathic surgery		
27	1	Orthodontics	Cleft lip and palate		
28	1	Orthodontics	Treatment of cleft lip and palate		
29	1	Orthodontics	Digital orthodontics		
30	1	Orthodontics	Periodontal consideration in adult orthodontic treatment		

## 11. Course Evaluation

### Grade Distribution:

- **First Semester:**
  - Theory: 7.5%
  - Practical: 5%
  - **Total: 12.5%**
- **Mid-Year Exam:**
  - Theory: 10%
  - Practical: 5%
  - **Total: 15%**
- **Second Semester:**
  - Theory: 7.5%
  - Practical: 5%
  - **Total: 12.5%**
- **Annual Coursework (Total of the above):**
  - **Total: 40%**

- **Final Exam:**
  - Practical: 20%
  - Theory: 40%
- **Final Result Weight:**
  - **10%**

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1) Cobourne M, DiBiase A. Handbook of orthodontics. 2nd edition. Elsevier. 2016. 2) Graber LW, Huang GJ, Vig KWL, Fleming PS. (2023): Orthodontics: current principles and techniques. 7th ed. Elsevier. 3) Proffit WR, Fields HW, Larson BE, Sarver DM. (2019): Contemporary orthodontics 6th ed. Philadelphia: Mosby. 4) Singh G. (2007): Textbook of orthodontics. 2nd ed. JP Medical Ltd.
Main references (sources)	1) Littlewood SJ, Mitchell L. (2019): An introduction to orthodontics. 5th edition. Oxford University Press. 2) Phulari BS. (2017): Orthodontics: principles and practice: 2nd edition. Jaypee. 2017
Recommended books and references (scientific journals, reports...)	1) American Journal in Orthodontics and Dentofacial Orthopedics.2) European Journal of Orthodontic.
Electronic Websites	Journal of clinical orthodontics