

## 29322 - Conservative Odontology I

### Información del Plan Docente

Academic Year	2017/18
Faculty / School	229 - Facultad de Ciencias de la Salud y del Deporte
Degree	442 - Degree in Odontology
ECTS	6.0
Year	3
Semester	First semester
Subject Type	Compulsory
Module	---

### 1.General information

#### 1.1.Introduction

#### 1.2.Recommendations to take this course

#### 1.3.Context and importance of this course in the degree

#### 1.4.Activities and key dates

### 2.Learning goals

#### 2.1.Learning goals

#### 2.2.Importance of learning goals

### 3.Aims of the course and competences

#### 3.1.Aims of the course

#### 3.2.Competences

### 4.Assessment (1st and 2nd call)

#### 4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

### 5.Methodology, learning tasks, syllabus and resources

#### 5.1.Methodological overview

The course include lectures, active learning, group work, tutorials and practicals sessions.

#### 5.2.Learning tasks

- The program that is offered to the student to help him to achieve the expected results includes the following activities: LECTURES INDIVIDUAL AND GROUP WORKS TUTORIALS SEMINARS AND WORKSHOPS

### PRE-CLINICAL SESSIONS

#### **5.3.Syllabus**

##### **- 1. GENERAL**

1: Overview of the subject.

##### **- 2. DENTAL PATHOLOGY**

2: Tooth Pathology

3: Definition and epidemiology of dental caries.

4: Etiology of dental caries I.

5: Etiology of dental caries II.

6: Histopathology of enamel caries.

7: Histopathology of dentin and cementum caries.

8: Diagnosis of pit and fissure caries.

9: Diagnosis of proximal, smooth surfaces, root caries.

10: Not-invasive treatment of dental caries.

##### **3: Other dental destructive processes**

11: Attrition, abrasion, erosion and abfraction.

12: Dental resorptions.

##### **4: Alterations of tooth development**

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13: Dental anomalies.

14: Dental tissues alterations.

15: Neoformative dental processes.

### **5: Dental stains**

16: Dental stains.

## **- 3. OPERATIVE DENTISTRY I**

### **1: History and treatment planning**

17: Dental clinic and treatment planning

### **2: Operative Dentistry instruments and isolation of the operative field**

18: Instruments. Classification and maintenance.

19: Preparation and isolation of the operating field.

### **3: General Concepts of cavity preparation and material selection**

20: General concepts of cavity preparation.

21: Selection of restorative materials.

### **4: Adhesion to dental hard tissues**

22: Adhesion to dental hard tissues I.

23: Adhesion to dental hard tissues II.

### **6: Protection of the pulp-dentinal complex**

24: Protection of the pulp-dentinal complex.

### **7: Restoration with aesthetic materials**

25: Composite resins: insertion techniques and polymerization.

26: Class I Restorations.

27: Class II Restorations.

### **Pre - clinical sessions**

1. Dental anatomy . Review of dental anatomy.

2. Instruments in Operative Dentistry.

3. Isolation of the operating field (2 sessions).

4. Class I Restorations with composite resin (2 sessions).

5. Class II restorations with composite resin (2 sessions).

6. Additional sessions (if required)

**5.4.Course planning and calendar**

Course duration and planning

<b>Week</b>	<b>Topic</b>
<b>1</b>	<b>1</b> <b>2</b>
<b>2</b>	<b>3</b> <b>4</b> <b>5</b>
<b>3</b>	<b>6</b> <b>7</b>
<b>4</b>	<b>8</b> <b>9</b> <b>10</b>
<b>5</b>	<b>11</b> <b>12</b> <b>13</b>
<b>6</b>	<b>14</b> <b>15</b> <b>16</b>
<b>7</b>	<b>17</b>
<b>8</b>	<b>18</b>

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	19
9	20 21
10	22 23
11	24 25
12	26
13	27
14-15	
<b>TOTAL</b>	<b>24 h (+ 13,5 h)</b>

### 5.5. Bibliography and recommended resources

#### Essential bibliography

- Barrancos Mooney, Julio. Operatoria dental : integración clínica / Julio Barrancos Mooney, Patricio J. Barrancos. Buenos Aires[etc.]: Médica Panamericana, 2006.
- Endodoncia : técnicas clínicas y bases científicas / directores, Carlos Canalda Sahli, Esteban Brau Aguadé. Barcelona: Masson, 2006.
- Fundamentals of operative dentistry : a contemporary approach / edited by James B. Summitt... [et al. ]/ ; illustrations by Jose dos Santos, J . 3rd ed. Chicago [etc.] : Quintessence, 2006
- Vías de la pulpa / editores, Kenneth M. Hargreaves, Stephen Cohen ; editor de la web, Louis H. Berman. 10ª ed. Barcelona [etc.]: Elsevier, 2011.

#### Additional bibliography

- Mitchell. Christina. Dental materials in operative dentistry / by Christina Mitchell . London [etc.]: Quintessence, cop. 2008
- Whitworth, J.M.. Rational root canal treatment in practice / by John M. Whitworth. London : Editorial: Quintessence books, 2002
- Patología y terapéutica dental / editor Javier García Barbero . 1ª ed. , 2ª reimp. Madrid : Síntesis, D.L. 2005.
- Walton, Richard E.. Principles and practice of Endodontics /Walton,Richard E; Mahmoud Torabinejad . 3rd ed Philadelphia : W.B. Saunders Company, 2002



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