

29322 - Conservative Odontology I

Información del Plan Docente

Academic Year	2016/17
Academic center	229 - Facultad de Ciencias de la Salud y del Deporte
Degree	442 - Degree in Odontology
ECTS	6.0
Course	3
Period	First semester
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

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

5.2.Learning activities

- 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.Program

- 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.

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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)

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Course duration and planning

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

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

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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