

29322 - Conservative Odontology I

Syllabus Information

Academic Year: 2019/20

Subject: 29322 - Conservative Odontology I

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.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

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

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

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

4.2.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

4.3.Syllabus

BLOCK I. DENTAL PATHOLOGY

SUBJECT 1. Generalities of the subject. Terminology. Reminder of Histology and Dental Anatomy. Dental physiology. Defensive dental processes.

SUBJECT 2. The dental anomalies.

SUBJECT 3. Caries: Definition, physiopathology and etiology.

SUBJECT 4. Caries: Classification and diagnosis. Treatment and prevalence.

SUBJECT 5. Dental destructive processes.

SUBJECT 6. The dental resorption.

SUBJECT 7. Colorations and dental stains.

BLOCK II. OPERATIVE DENTISTRY

SUBJECT 8. Generalities in Operative Dentistry. Diagnosis, clinical history and treatment planning.

SUBJECT 9. Instrumentation in Operative Dentistry and preparation of operative field (absolute and relative isolation).

SUBJECT 10. General concepts in the preparation of cavities. Selection of the restoring material.

SUBJECT 11. Direct restorations with composite resin. Properties of resin materials. Preparation of cavities for composite resin. Matrices for composite resin. Filling technique and polymerization technique. Polishing of composite resins.

SUBJECT 12. Restorations of Class I in composite resin. Obturation technique. Insertion and polymerization.

SUBJECT 13. Restorations of Class II in composite resin. Obturation technique. Insertion and polymerization.

UNIT 14. Direct restorations with other materials: Glass ionomer cements. Dental amalgam.

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)

4.4.Course planning and calendar

Schedule sessions

Lectures and practice sessions are designed according to the academic calendar of the corresponding course and the class schedule established by the Faculty.

Lectures: Classroom 1 or 2

Preclinical Practice: Dental Laboratory Materials

Clinical practice: Dental Clinic

Seminars: Classroom 1 or 4 (to be confirmed in advance)

The 2019-2020 academic course will begin on 16th September, 2019.

4.5.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