

29322 - Conservative Odontology I

Syllabus Information

Academic Year: 2020/21

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)

The student must demonstrate that obtained the expected learning results through the following evaluation activities. There are 2 options.

OPTION A

- Regular attendance at theoretical lectures and debates with active participation in them (contributions, suggestions, questions, challenges, etc.).
- Compulsory attendance at practical classes and active participation.
- Individual work (practice notebook).
- Group work on a specific topic assigned by the Teachers.
- Theoretical written exam (development questions and single answer test type). - - - Practical test.
- Voluntary individual work.

Attendance at practical sessions is compulsory to pass the exam and includes a notebook that will include all the tasks developed in them. 3 excused absences are admitted. The student who misses more than 3 justified practical classes has to pass a final practical test of the subject.

- CONCEPTUAL BLOCK

- Theoretical part (40%)

Individual written test (30%). This examination will consist of:

- 20 test questions of 5 items and a single correct answer with a value of 0.25 points each;
- 2 developing questions with a value of 2.5 each.
- Group work on topics to be specified by the Teachers (10%).

- PROCEDURAL BLOCK

- Practical part (60%). The rating of this section is distributed as follows:

- 40% Assessment of practical activities carried out, attendance at practices and seminars (active participation in sessions and seminars);

- 20% Assessment of the portfolio (practice notebook).

Those students who wish to do so may carry out a voluntary individual written assignment that may raise the final grade for the course by up to 1 point. The previous sections have to be approved separately.

OPTION B

Those students who cannot meet the criteria required in OPTION A (EXAMPLE: in case of non-attendance more than 3 practical classes), will automatically be evaluated in OPTION B.

- CONCEPTUAL BLOCK

- Theoretical part (50%)

Written test (same format as OPTION A). - PROCEDURAL BLOCK

- Final practical exam of the whole subject (50%).

Proposal for adaptation of the Subject evaluation

Theoretical part (40%)

- The individual written test (20%) will be replaced with:

- Individual work on scientific articles related with the content of the subject.

- Group work on a clinical case and presentation in a recorded video (20%).

Practical part (60%).

The qualification of this section is proposed as follows:

- 30% Assessment of the practical activities carried out until the day prior to the declaration of the state of alarm.

- 30% Assessment of the portfolio (practice notebook) that must include the activities carried out up to the date of the last practice

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, seminars, assignments, tutorials, and autonomous work and study.

Due to the exceptional situation of this 2020/21 academic year, the way of carrying out the different learning activities is subject to the availability of physical spaces in the Center.

Otherwise the online format will be used for the theoretical classes that is, synchronously telematically connected teachers and students through technologies that allow interaction (Google Meet type).

4.2.Learning tasks

This course is organized as follows:

- Lectures
- Assignments. Individual and in groups
- Tutorials
- Seminars and workshops
- Pre-clinical practice sessions

4.3.Syllabus

This course will address the following topics:

Section I. DENTAL PATHOLOGY

- Topic 1. Generalities of the Topic. Terminology. Reminder of Histology and Dental Anatomy. Dental physiology. Defensive dental processes.
- Topic 2. The dental anomalies.
- Topic 3. Caries: Definition, physiopathology and etiology.
- Topic 4. Caries: Classification and diagnosis. Treatment and prevalence.
- Topic 5. Dental destructive processes.

- Topic 6. The dental resorption.
- Topic 7. Colorations and dental stains.

Section II. OPERATIVE DENTISTRY

- Topic 8. Generalities in Operative Dentistry. Diagnosis, clinical history and treatment planning.
- Topic 9. Instrumentation in Operative Dentistry and preparation of operative field (absolute and relative isolation).
- Topic 10. General concepts in the preparation of cavities. Selection of the restoring material.
- Topic 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.
- Topic 12. Restorations of Class I in composite resin. Obturation technique. Insertion and polymerization.
- Topic 13. Restorations of Class II in composite resin. Obturation technique. Insertion and polymerization.
- Topic 14. Direct restorations with other materials: Glass ionomer cements. Dental amalgam.

Preclinical practice 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

- 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 2020-21 academic course will begin on 14th September 2019.

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health and Sports Sciences website and Moodle.

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