

Course Description

SUBJECT: BASIC PERIODONTOLOGY

COURSE 2, SEMESTER 2

DEGREE: DENTISTRY

ATTENDANCE IS REQUIRED

ACADEMIC YEAR 2022/2023

FACULTY OF MEDICINE

1. COURSE IDENTIFICATION

1.-COURSE:

Title: BASIC PERIODONTOLOGY		
Code: 19701		
Year (s) in which the course is taught: 2	Semester (s) when the course is taught: 2	
Type: Compulsory	ECTS of the course: 6	Hours ECTS: 25
Language: English	Modality: Attendance is required	
School which the course is taught: Medicine		

2.- ORGANIZATION OF THE COURSE:

Departament: Dentistry
Subject: Stomatology

2. LECTURERS OF THE COURSE/SUBJECT

1.-LECTURERS:

Responsible of the course	CONTACT
Name:	Ana García-Carrillo Cacho
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Lecturer (s)	CONTACT
Name:	Víctor Ortega Asensio
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Lecturer (s)	CONTACT
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Lecturer (s)	CONTACT
Name:	
Phone (ext):	
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Lecturer (s)	CONTACT
Name:	
Phone (ext):	
Email:	
Office:	

2.- TUTORIALS:

For any consult regarding the subject, the student can contact the teachers through their emails or telephones, which will be given to the beginning of the course.

3. COURSE DESCRIPTION

Study of periodontology from the basic aspects, including periodontal anatomy, etiopathogenesis, classification of periodontal diseases, to later focus on diagnosis, treatment plan, prevention and periodontal maintenance.

The relationship of periodontics with other disciplines is understood, as well as the relationship with the medical area.

Acquisition of experience, under supervision, for the treatment of the most common periodontal problems.

4. COMPETENCES

1.- COMPETENCES:

Code	Basic and General Skills
CG07	Promote autonomous learning of new knowledge and techniques, as well as motivation for quality.

Code	Specific Skills
CE.38	Be competent in establishing a diagnosis, a prognosis and the development of adequate therapeutic planning, and in particular in orofacial pain, temporomandibular disorders, bruxism and other parafunctional habits; dental and periapical pathology; oral trauma; periodontal pathology and peri-implant tissues; bone pathology of the jaws, oral soft tissues and adnexal glands; states of partial or total edentation
CE.40	Taking and interpreting radiographs and other image-based procedures relevant to dental practice
CE.42	Determine and identify the aesthetic requirements of the patient and the possibilities of satisfying their concerns
CE.43	Identify the patient who requires special care, recognizing their characteristics and peculiarities
CE.44	Assess the motor and sensory function of the mouth, jaws and adnexa
CE.46	Properly prescribe drugs, knowing their contraindications, interactions, systemic effects and repercussions on other organs.
CE.48	Prepare and isolate the operative field.
CE.54	Treat both pharmacologically and surgically the inflammatory processes of the periodontal and/or peri-implant tissues, including supra and subgingival periodontal instrumentation techniques

2.- LEARNING OUTCOMES:

Learning outcomes-
<p>1º.- Know the mechanisms of bacterial colonization in the oral cavity and identify its implications for health and periodontal diseases.</p> <p>2º.- Know the mechanisms of inflammatory and immunological response of the periodontal tissues against the bacteria of the dental biofilm.</p> <p>3º.- Understand the main factors associated with periodontal pathology, identifying its causes, its pathogenesis and its risk factors.</p> <p>4º.- Apply the diagnostic means available for the assessment of all types of patients with periodontal pathology.</p> <p>5º.- Acquire adequate clinical experience in the implementation of specific preventive measures against periodontal diseases and in carrying out the appropriate therapeutic measures in patients with gingivitis.</p> <p>6º.- Know adequately the clinical, therapeutic and surgical methods that allow the student to carry out a correct diagnosis, planning and treatment of the most complex periodontal problems and their tissue reconstruction.</p> <p>7º.- Know the main problems that associate periodontal pathology with pathology, systemically identifying its pathogenesis and its preventive and therapeutic implications.</p> <p>8º.- Acquire appropriate clinical experience in the treatment of the most common periodontal problems under supervision.</p> <p>9.- Being able to detect periodontal disease early</p> <p>10.- Acquire the ability to diagnose periodontal disease</p> <p>11.- Master the treatment of periodontal disease</p>

5. LEARNING ACTIVITIES

1.- DISTRIBUTION OF STUDENTS' ASSIGNMENT:

Total hours of the course	150
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Code	Name	In-class teaching
AF1	Theoretical classes	45
AF2	Practical classes	25
AF4	Evaluation	4
TOTAL Hours		74

Code	Name	Not on-campus hours
AF8	Independent Work	76

2.- LEARNING ACTIVITIES

Learning Activities	DEFINITION
Master class	The teacher will present aspects of introduction to the different theoretical blocks of the subject as well as their integration. Support materials will be used (documents that will be distributed in class and digitized that will be disseminated through the student's portal).
Clinical practices	Training activity that prioritizes the performance by the student of practical care activities that involve the application of theoretical knowledge and the acquisition and development of practical knowledge and skills. Abrir en el Traductor de Goo
Practices laboratory	Training activity that prioritizes the student's performance of practical activities in the laboratory that involve the application of theoretical knowledge and the acquisition and development of knowledge and practical skills, may include peer work, learning techniques and basic methods and specific, practice notebooks, use of ICTs, simulation with typodonts on phantoms and virtual 3D simulation, etc
Evaluation	On-site training activity in which the student takes the assessment tests under the supervision of the teacher.
Team work	Training activity in groups, aimed at carrying out work, critical discussions, debates, applying the knowledge of the area of study and moderated by the teacher.
External Internships	Training activity in which the student performs in the professional field directed by an internship tutor at the institution agreed for it and under the supervision of the academic tutor of the university.
Autonomous student work	Training activity in which the student autonomously manages their learning through the study of training materials. It is understood as the work time that the student needs and uses, outside class hours, to acquire the skills and abilities required by the degree's study plan.

6. ASSESMENT OF LEARNING

1.- CLASS ATTENDANCE:

In order to benefit from the continuous evaluation system, attendance at 75% of the theory classes is required (attendance controls will be carried out). Since the student may miss 25% of the total number of classes, excuses for absence will not be accepted.

Attendance at practical classes is 100% compulsory.

2.- ASSESMENT METHOD AND CRITERIA:

ORDINARY ASSESMENT (Continual Assessment)

ASSESSMENT SYSTEM

Code	Name	Percentage
SE1	Theoretical evaluation	60%
SE2	Practical evaluation	40%

3.- ASSESMENT METHOD DESCRIPTION:

Sistemas de Evaluación	Definición
Theoretical evaluation	Written test in which the totality of the contents of the subjects is evaluated, as well as the degree of acquisition of the competences linked to them. Exams (or evaluation tests) will be carried out with theoretical-practical questions and resolution of assumptions that include the contents of the subject studied.
Practical evaluation	Practices will be assessed through practical exercises, notebooks, exams, completion and presentation of work, clinical cases, etc... that collect the practical contents worked on.
Individual works and/or group	Assessment of work carried out in the classroom or outside it individually or in groups.

7. COURSE SYLLABUS

1.- COURSE SYLLABUS

THEORY

1. Anatomy of the periodontium
2. Classification of periodontal diseases
3. Etiopathogenesis of periodontal disease
4. Periodontal microbiology
5. Inflammatory response and host-biofilm interactions
6. Local predisposing factors for periodontal disease.
7. Impact of periodontal disease on general health
8. Influence of systemic conditions and smoking in periodontal disease
9. Gingivitis and acute gingival infections
10. Plaque control and motivation
11. Gingival enlargement and desquamative gingivitis
12. Periodontitis. Periodontal pocket and patterns of bone loss.
13. Periodontal treatment and maintenance plan
14. Clinical and radiological evaluation in periodontitis
15. Treatment of acute gingivitis and periodontitis
16. Non-surgical periodontal treatment
17. Diagnosis and management of endodontic-periodontal lesions
18. Antibiotics and antiseptics in periodontics
19. Periodontal treatment in medically compromised patients
20. Occlusal evaluation and treatment. Orthodontics in periodontal patient.
21. General indications and basic principles of periodontal surgery

PRACTICES

1. Preparation of the operative field and initial management of ultrasound
2. Indirect vision and advanced ultrasound management
3. Identification of curettes and treatment in the anterior sector
4. Sharpening of curettes and treatment in the posterior sector
5. Identification of aesthetic requirements of the patient and dental polishing
6. Periodontal assessment and periodontogram
7. Making a poster
8. Motivation of patients
9. Oral hygiene instructions

8. BIBLIOGRAPHY

1.- ESSENTIAL BIBLIOGRAPHY:

Newman and Carranza's essentials of clinical periodontology: an integrated study companion.
Ed.Elsevier, 2022

2.- ADDITIONAL BIBLIOGRAPHY:

Carranzas clinical periodontology, 14ª ed, Ed Elsevier

Lindhe's Clinical Periodontology and Implant Dentistry: 2 Volume Set : Lang, ... Editorial : Wiley-Blackwell; N.º: 7 ed (2021) .

3.- WEB RESOURCES:

Pubmed-medline

Cochrane

1.- GUIDELINES

- To pass the subject, it will be essential to pass both the theoretical part and the practical part. The percentages will not be applied if the note of one of the two sections is less than 5. Due to the continuous evaluation of the practices, practices will not be carried out in extraordinary call
- Absences in Academic Integrity (absence of citation of sources, plagiarism of works or improper/prohibited use of information during exams), as well as signing the attendance sheet by a classmate who is not in class, will imply the loss of evaluation, without prejudice to the sanctioning actions that are established.
- The use of mobile phones is not allowed during classes, both theoretical and practical, or during evaluations.
- The use of the documentation provided by the teacher through the student portal (presentations, seminars, practice notebooks, etc.) is restricted to the preparation of the subject. The teacher(s) reserve the right to make use of the measures included in the current legislation on Intellectual Property, in cases in which an unauthorized use and/or disclosure of said material is detected.
- Disrespect will be taken into account in the evaluation of the teacher, who reserves the right to open an academic record
- A student who does not come in a gown and whose gown does not meet the necessary standards of hygiene and care will not enter laboratory practices. It will be essential for the realization of each practice that the student has all the required material.
- The care, correct use and maintenance of the equipment, instruments, materials used, and dental chairs where the practices will take place will be decisive in the practical evaluation of the subject. Order in the workplace and correct behaviour will be fundamental for the evaluation of the internship. Everything must be collected at the end of the practices. Each pair of students will be solely and exclusively responsible for their workplace.

10. EXTRAORDINARY MEASURES

Should an exceptional situation occur which prevents continuing with face-to-face teaching under the conditions previously established to this end, the University will take appropriate decisions and adopt the necessary measures to guarantee the acquisition of skills and attainment of learning outcomes as established in this Course Unit Guide. This will be done in accordance with the teaching coordination mechanisms included in the Internal Quality Assurance System of each degree.