

1. BASIC INFORMATION

Course	SPECIAL PATIENTS
Degree program	Degree in DENTISTRY
School	Faculty of Biomedical and Health Sciences.
Year	FIFTH Course
ECTS	3 ECTS
Credit type	Mandatory
Language(s)	English
Delivery mode	Face-to-face modality
Semester	First and second semester
Academic year	2024/2025
Coordinating professor	Jaime Durán Somacarrera

2. PRESENTATION

The training of the student in the subject of Integrated Clinic for Special Patients is within the comprehensive training of the dentistry student in his final stage of training where all the basic and specific knowledge acquired in his training process must be integrated and encompassed as dentist including in this last stage the oral management of the complex patient with systemic pathology or physical or mental disability.

3. COMPETENCIES AND LEARNING OUTCOMES

Core competencies:

- CB2: That students know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.
- CB3: That students have the ability to gather and interpret relevant data (normally within their area of study) to make judgments that include a reflection on relevant issues of a social, scientific or ethical nature.
- CB5: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

General competencies:

- CG4 Understand and recognize the social and psychological aspects relevant to the treatment of patients.

- CG14: Know the general processes of the disease, including infection, inflammation, alterations of the immune system, degeneration, neoplasia, metabolic alterations and genetic disorders.
- CG25: Know and apply the basic treatment of the most common oral pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimal invasion and on a global and integrated approach to oral treatment.
- CG26: Know how to plan and carry out multidisciplinary, sequential and integrated dental treatments of limited complexity in patients of all ages and conditions and in patients who require special care.
- CG27: Plan and propose appropriate preventive measures for each clinical situation.
- CG30: Recognize the role of the dentist in prevention and protection actions against oral diseases, as well as in the maintenance and promotion of health, both at an individual and community level.

Cross-curricular competencies:

- CT1 - Autonomous Learning: Process that allows the person to be the author of their own development, choosing the paths, strategies, tools and moments that they consider most effective to learn and independently put into practice what they have learned. The autonomous student, in short, selects the best strategies to achieve their learning objectives.
- CT3 - Ability to adapt to new situations: Being able to work under different conditions, different people and in different groups. It involves evaluating and understanding different positions, adapting one's own approach as the situation requires.
- CT7 - Awareness of ethical values: Ability to think and act according to universal principles based on the value of the person that are aimed at their full development and that entails a commitment to certain social values.
- CT8 - Information management: Ability to search, select, analyze and integrate information from various sources.

Specific competencies:

- CE9. Know the procedures and clinical and laboratory diagnostic tests, know their reliability and diagnostic validity and be competent in the interpretation of their results.
- CE10. Recognize normality and oral pathology, as well as the evaluation of semiological data.
- CE11. Identify the main reason for consultation and the history of the current disease. Carry out a general clinical history of the patient and a medical record that faithfully reflects the patient's records.
- CE12. Know the behavioral and communication sciences that facilitate dental practice.

- CE18. Provide a global approach to oral care and apply the principles of health promotion and prevention of oral and dental diseases.
- CE19. Educate and motivate patients in the prevention of oral and dental diseases, control pathogenic oral habits, instruct them on proper oral hygiene, dietary and nutritional measures and, in short, on all methods of maintaining oral health .
- CE20. Know the effects of tobacco on oral health and participate in measures that help patients who want to quit smoking.
- CE29. Know the oral manifestations of systemic diseases.
- CE31. Know the pharmacological bases of the different anesthetic techniques, both local and general, as well as the role of sedation and general anesthesia in the management of the dental patient.
- CE39. Identify the patient who requires special care, recognizing their characteristics and peculiarities.

Learning outcomes:

- R1. Acquire knowledge of the dental management of patients with systemic pathology and with problems of physical and mental deficiencies.
- R2 Attend to the handicapped and their problems for treatments in the oral sphere.
- R3 Dental care for patients with cardiopulmonary disorders
- R4 Attend to cancer and/or immunosuppressed patients in the dental office. Protocols of odonto-stomatological assistance
- R5 Caring for patients with haematological and haemostasis disorders: their problems with dental treatment
- R6 Caring for patients with endocrine disorders and their impact on oral treatment.
- R7 Develop dental care for patients with hepato-renal disorders
- R8 Treat patients with disorders of the locomotor system
- R9 Treat patients with epileptic, psychiatric and CNS disorders and their problems in the oral and dental sphere.
- R10 Perform hospital dentistry and oral treatments under sedation or non-conventional anesthesia for disabled and/or medically compromised patients.

The following table shows the relationship between the competencies developed during the course and the learning outcomes pursued:

Competencies	Learning outcomes
CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG4, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA1
CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG4, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA2
CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA3
CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA4
CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA5
CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA6
CB2, CB3, CB5, CT1, CT3, CT7, CG14,	RA7

CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	
CB2, CB3, CB5, CT1, CT3, CT7, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA8
CB2, CB3, CB5, CT1, CT3, CT7, CG14, CG25, CG26, CG27, CG30, CE9, CE10, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA9
CB2, CB3, CB5, CT1, CT3, CT7, CG25, CG26, CG27, CG30, CE11, CE12, CE18, CE19, CE20, CE29, CE31, CE39	RA10

4. CONTENT

UNIT 1: DENTAL MANAGEMENT OF PATIENTS WITH SYSTEMIC PATHOLOGY

Topic E1: Treatment protocol for patients with liver disease.

Topic E2: Treatment protocol for patients with kidney disease.

Topic E3: Treatment protocol for patients with cardiac and respiratory pathology.

Theme E4. Dental management of the patient with hematological alterations:

Theme E5. Precautions in the dental treatment of the tumor patient.

Theme E6. Dental treatment of patients with endocrine disorders.

Theme E7. Treatment protocol for patients with arterial hypertension: mild, moderate and severe hypertension.

Theme E8. Dental management of the patient with hormonal alterations.

Theme E9. Action protocol in an immunocompromised patient.

Theme E10. Management in the dental office of patients with infectious problems.

UNIT 2: DENTAL MANAGEMENT OF THE DISABLED PATIENT

Theme E11. Dental treatment of the physically handicapped patient.

Theme E12. Dental treatment of psychiatric and mentally handicapped patients.

UNIT 3: DENTAL MANAGEMENT OF THE ELDERLY PATIENT

Theme E13. Protocol for dental management of the elderly patient

Theme E14. Pharmacology applied to patients with special needs

SIMULATION: SIMULATED HOSPITAL

SEMINAR WEEKLY CLINICAL CASES AND REVIEW

5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:

- Master class.
- Case method.
- Roll Playing
- Seminars
- Simulation

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Campus-based mode:

Learning activity	Number of hours
Masterclass	16h
Seminars	4h
Case method	13h
Tutorials	6h

Roll-Playing	3h
Test Knowledge	2h
Debate	2h
Autonomous Work Study	29h
TOTAL	75h

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

The evaluation system is through continuous evaluation during the semester in which the subject is taught.

There are individual scores for objective tests, simulated hospital attendance, and weekly cases, and there are group scores for a final clinical case and discussion.

The evaluation system is through continuous evaluation during the semester in which the subject is taught.

To pass the subject in the ordinary call, you must pass the final knowledge test with a minimum of 5 points, as well as the continuous evaluation of the clinical case.

The student who does not appear for one of the tests will have a grade of 0.

Campus-based mode:

Assessment system	Weight
Final knowledge test (20% EACH EXAM CASE)	60%
Weekly case management assistance	20%
Group Case and DEBATE	10%
SIMULATED HOSPITAL	10%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1. First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 5.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The evaluation system is through continuous evaluation during the semester in which the subject is taught.

There is individual qualification corresponding to the objective test and qualification corresponding to the clinical cases that are delivered daily, as well as to the rest of evaluable activities (seminar, roll playing...)

To pass the subject in ordinary call you must obtain a grade greater than or equal to 5.0 out of 10.0 in the final grade (weighted average) of the subject.

In any case, it will be necessary for you to obtain a grade greater than or equal to 5.0 in the final test, so that it can be averaged with the rest of the activities.

The exam will consist of three clinical PRACTICAL cases to solve.

7.2. Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 5.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

The exam will consist of three clinical PRACTICAL cases to solve

Activities not passed in ordinary call must be delivered, after receiving the corrections corresponding to them by the teacher, or those that were not delivered.

8. SCHEDULE

This table shows the delivery deadline for each assessable activity in the course:

Assessable activities	Deadline
Presentation and pharmacology	Week 1
Patient with high blood pressure	Week 2
Patient with Cardiovascular Pathology	Week 3
Patient with kidney disease	Week 4
Patient with Gastro hepatic Pathology	Week 5
Pregnancy	Week 6
Immunocompromised and Transplant Patients	Week 7
Endocrine pathology patient	Week 8
Patient with hematological disease	Week 9
Oncologic patient	Week 10
Simulated Hospital	Week 11
elderly patient	Week 12
Physical and mental disability I	Week 13
Physical and mental disability II	Week 14
Recovery cases	Week 15
Final exam	Week 16

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

9. BIBLIOGRAPHY

The recommended Bibliography is:

- Bullón P, Machuca G. Tratamiento odontológico en pacientes especiales. 2ª ed.

Madrid: Normon; 2004.

- Hernández M, Boj JR, Casas JI. Guía rápida del tratamiento de las urgencias médicas en la consulta dental. Barcelona: Col.legi Oficial d'Odontòlegs i Estomatòlegs de Catalunya; 2000.

- Little JW. Dental management of the medically compromised patient. 6th ed. St. Louis: Mosby; 2002.
- Little JW. Tratamiento odontológico del paciente bajo tratamiento médico. Madrid: Harcourt Brace de España, 1998
- Malamed SF. Urgencias médicas en la consulta de odontología. Barcelona: Mosby/Doyma Libros; 1994.
- Malamed SF. Medical emergencies in the dental office. 6th ed. St. Louis: Mosby Elsevier; 2007
- Scully C, Cawson RA.. Medical problems in dentistry. 5th ed. Edinburgh: Elsevier Churchill Livingstone; 2005.
- Rose LF, Kaye D. Medicina interna en odontología. Barcelona: Salvat; 1992.

10. EDUCATIONAL GUIDANCE AND DIVERSITY UNIT

From the Educational Guidance and Diversity Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:

orientacioneducativa@universidadeuropea.es

11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.

REGULATIONS FOR THE ASSESSMENT OF ACCREDITED UNDERGRADUATE DEGREES AT UNIVERSIDAD EUROPEA DE MADRID

CHAPTER I. COURSE ASSESSMENT SYSTEM FOR ACCREDITED UNDERGRADUATE DEGREES

Article 1 - 4. Continuous assessment

Students taking campus-based studies are required to demonstrate that they have attended at least 50% of their classes. Such attendance forms an essential part of the assessment process and is necessary to give the student the right to receive guidance, assistance and academic supervision from the professor. For such purposes, students must use the technological system put in place by the University to accredit their daily attendance at each of their classes. This system shall furthermore ensure that objective information is gathered regarding the active role of the student in the classroom. The failure to use the methods proposed by the University to demonstrate 50% attendance will give the professor the right to grade the course as a fail under the ordinary exam period. The foregoing does not affect other requirements of higher attendance percentages that each school may establish in their teaching guides or internal regulations.

Therefore, it is the authority of the professor that students who have not fulfilled the 50% of attendance in the ordinary call must pass all the evaluation tests in the extraordinary call, for which they must obtain a grade greater than or equal to 5.0 out of 10.0 in all of them (Faculty Board 11-07-23).

Article 6 - 12. Final grades

Any student that uses or benefits from unlawful means during an evaluation test or that unduly attributes the author of the academic work required for the assessment will be graded as a “fail” (0) and may similarly be the object of a sanction, subject to the opening of disciplinary proceedings. In the case of the Final Graduation Project, the plagiarism or the lack of originality of the project, will automatically be graded as a “fail” (0) in the corresponding course in both ordinary and extraordinary periods. Likewise, the student will lose their status as a student during six months according with the General Standards for Graduation Projects and Master’s Thesis in its Article 5.

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