

1. BASIC INFORMATION

Course	Diagnostics in Dentistry
Degree program	Degree in Dentistry
School	Health Sciences
Year	2nd
ECTS	3
Credit type	Mandatory
Language(s)	English
Delivery mode	Presential
Semester	II
Academic year	2020-21
Coordinating professor	Dra. Mónica Perdomo

2. PRESENTATION

The subject of Diagnosis in Dentistry (Diagnosis) is developed on a semester basis in the 2nd year of the degree in Odontology. Its general objectives are framed within the Objectives of the Faculty of "Health Sciences" of the European University of Valencia (UEV).

From a general perspective, the objective of the subject of Diagnosis, together with the rest of the subjects that form the module 2 of the studies of the degree in Dentistry (Psychology, Biomaterials, Preventive Dentistry, Community and Public Health, Professionalism, Health English, Statistics and Anthropology and History of Dentistry) is that students know and understand the basic biomedical sciences on which dentistry is based to ensure adequate oral and sanitary assistance, including psychological, biomaterial, prevention and historical aspects.

3. COMPETENCIES AND LEARNING OUTCOMES

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

Competencies	Learning Outcomes
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CB02, CB03, CG01, CG09, CG12, CG19 CT01, CT02, CT05, CE08, CE09, CE10, CE19	<ul style="list-style-type: none"> • LO1 Be competent in identifying the main reason for consultation and the history of the current illness. • LO2 Be competent in preparing a clinical record that accurately reflects the patient's records and keeping it updated.
CB2, CB03, CG01, CG03, CG09, CG12, CG19, CT01, CT02, CT05, CE09, CE19	<ul style="list-style-type: none"> • LO3 Completion of the Clinical History. Complementary diagnostic tests, diagnostic validity, interpretation and critical analysis of the results.
CB05, CG01, CG07, CG17, CT01, CE05, CE07	<ul style="list-style-type: none"> • LO4 Knowing the risks of ionizing radiation and its effects on biological tissues, be competent in its use and knowledge of regulations related to radiation, protection and dose reduction.
CB05, GC01, CG07, CG19 CT01, CT06, CE05, CE06, CE07, CE08, CE19	<ul style="list-style-type: none"> • LO5 Be competent in carrying out the necessary radiographs in dental practice, in interpreting the images obtained and having knowledge of other relevant imaging techniques.
	<ul style="list-style-type: none"> • LO6 Knowing clinical and laboratory diagnostics procedures and tests, know their reliability and diagnostic validity, and be competent in interpreting their results.
CB05, CG01, CG07, CG17 CT01, CE05, CE07	<ul style="list-style-type: none"> • LO7 Physical bases of ionizing radiation. Effects of ionizing radiation. Radiological procedures and techniques, legislation and radiological protection.
CB2, CB03, CG01, CG03, CG09, CG12, CG19, CT01, CT02, CT05, CE09, CE19	<ul style="list-style-type: none"> • LO8 Be able to keep a clinical documentation and information management. Diagnostic and dental clinic.
CB05, GC01, CG07, CG19, CT01, CT06, CE05, CE06, CE07, CE08, CE19	<ul style="list-style-type: none"> • LO9 Intra and extraoral radiographs and other diagnostic imaging methods and techniques in Dentistry.
CB03, CG12, CG19 CT01, CE03, CE06, CE07, CE19	<ul style="list-style-type: none"> • LO10 Analyze and interpret the images.
CB2, CB03, CG01, CG03, CG09, CG12, CG19, CT01, CT02, CT05 CE09, CE19	<ul style="list-style-type: none"> • LO11 Obtain and prepare a medical history that contains all the relevant information.
CB05, GC01, CG07, CG19, CT01, CT06, CE05, CE06, CE07, CE08, CE19	<ul style="list-style-type: none"> • LO12 Know how to perform a complete oral exam, including the appropriate complementary radiographic and exploration tests, as well as obtaining adequate clinical references

CB03, CG12, CG19 CT01,
CE03, CE06, CE07, CE19

- LO13 Have the ability to make an initial diagnostic judgment and establish a reasoned diagnostic strategy, being competent in the recognition of situations that require urgent dental care

4. CONTENT

1. Diagnosis in dentistry
2. Clinical history
3. Complementary tests
4. Imaging diagnosis: General and dental radiology I
5. Diagnostic imaging: General and dental radiology II
6. Tests with ionizing and non-ionizing radiation
7. Radiology of dental caries. Diagnostic errors
8. Risk of ionizing radiation. Regulations and radiation protection

5. TEACHING-LEARNING METHODOLOGIES

Master classes

Wikis

Formative Assessment

Case analysis

Laboratory practices

Tutorials

Research

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
Master Classes	10H
Wikis	2H
Formative Assessment	10H
Case Analysis	10H
Laboratory Practices	12H
Tutorship	10H
Research	21H
TOTAL	75H

7. ASSESSMENT

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

Assessment system	Weight
Knowledge Test	60%
Learning Folder	20%
Workbook	20%

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 subject in ordinary call, the student must have completed a minimum attendance of 50% of the classes, with the corresponding justification. If he has not complied with 50% of the attendance, the student will be suspended in the ordinary call, remaining for the extraordinary call.

To pass the course in ordinary call you must pass each of the sections that make up the course:

Knowledge test:

The written test will be of a mixed type, including multiple choice questions (4 options), and short open questions. Every Incorrectly answered test question subtracts 0.33 from the grade obtained in this section. The duration of the test will be established by the teacher.

Learning folder:

The student must comply with the activities proposed by the professor related to research articles according to the instructions specified in the virtual classroom.

· Workbook:

The student must comply with the activities proposed by the teacher related to practical and laboratory activities according to the instructions specified in the virtual classroom.

7.2. Second exam period

To pass the subject in an extraordinary call, you must pass each of the sections that make up the subject, following the same premises as in the ordinary call.

8. SCHEDULE

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

Assessable activities	Deadline
Knowledge Test	To be determined
Learning Folder	To be determined
Workbook	To be determined

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

Recommended bibliography:

KOENING, L: Diagnostico por la imagen Oral y Maxilofacial. Marabn 2014. Madrid

HERRING, W: Radiología básica aspectos fundamentales. Elsevier. 2da edición 2012. Barcelona.

AGUILAR ARGULLO MJ; ESUSTAQUIO RAGA, M V; IBANEZ CABANEL, P: Higiene bucodental, cuaderno de trabajo VOL I. Sintesis 2016. Madrid

GIL VAZQUEZ O: Diccionario Ilustrado de odontología. Amolca. 2da edición 2016. Caracas.

WHITE S.C, PHAROAH, M.J.: Radiología Oral. Elsevier Science. 4a edición 2001

ARIAS ROJAS: A. El diagnostico en Odontología. De la teoría al quehacer clínico. Universidad del Valle. Primera edición. 2017. Cali, Colombia.

Complementary bibliography:

También tiene como complemento las siguientes páginas web:

<http://journals.elsevierhealth.com/periodicals/ymod/home> · <http://www.medcyclopaedia.com/> ·
<http://jdr.sagepub.com/> · <http://journals.elsevierhealth.com/periodicals/ymoe> ·
<http://www.uihealthcare.com/topics/medicaldepartments/dentistry/index.html> ·
<http://www.radiologyeducation.com/> · <http://journals.elsevierhealth.com/periodicals/ymod/home> ·
<http://www.medcyclopaedia.com/> · <http://www.bda-dentistry.org.uk/education/library.cfm?ContentID=1616> · <http://dmfr.birjournals.org/> ·
<http://www.emedicine.com/radio/contents.htm> · <http://www.eurorad.org/> · <http://jdr.iadrjournals.org/> ·
<http://www.learningradiology.com/> · <http://www.blackwellpublishing.com/journal.asp?ref=1354-523X> ·
<http://journals.elsevierhealth.com/periodicals/ymoe> ·

<http://myweb.lsbu.ac.uk/dirt/museum/museum.html> ·
http://www.vh.org/navigation/vh/textbooks/adult_provider_radiology.html ·
<http://dmfr.birjournals.org/>

10. DIVERSITY MANAGEMENT UNIT

Students with specific learning support needs:

Curricular adaptations and adjustments for students with specific learning support needs, in order to guarantee equal opportunities, will be overseen by the Diversity Management Unit (UAD: Unidad de Atención a la Diversidad).

It is compulsory for this Unit to issue a curricular adaptation/adjustment report, and therefore students with specific learning support needs should contact the Unit at unidad.diversidad@universidadeuropea.es at the beginning of each semester.

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.