COURSE DESCRIPTION

SUBJECT: GERODONTOLOGY

YEAR: 3rd SEMESTER: 2nd

DEGREE: DENTISTRY

MODALITY: ATTENDANCE IS REQUIRED

ACADEMIC YEAR 2019/2020

FACULTY OF MEDICINE
1. COURSE/SUBJECT IDENTIFICATION

1.- COURSE/SUBJECT:

Name: GERODONTOLOGY
Code: b330
Year (s) the course is taught: 3º
Type: COMPULSORY
Language: ENGLISH
Degree(s) in which the course is taught: DENTISTRY
School in which the course is taught: MEDICINE

Semester(s) when the course is taught: 2º
ECTS: 2
Modality: Attendance is required
Hours ECTS: (30)

2.- COURSE ORGANIZATION:

Department: DENTISTRY
Knowledge area: SURGERY

2. LECTURERS OF THE COURSE/SUBJECT

1.- LECTURERS:

<table>
<thead>
<tr>
<th>Person responsible for the course</th>
<th>CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: MANUEL FERNÁNDEZ DOMÍNGUEZ</td>
<td></td>
</tr>
<tr>
<td>Phone (ext):</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:mfdominguez@ceu.es">mfdominguez@ceu.es</a></td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td></td>
</tr>
<tr>
<td>Teaching and Research profile</td>
<td>Doctor in Medicine by Universidad Autónoma de Madrid. USP CEU teacher. Head of USP CEU Dentistry department. Head of USP CEU Oral Surgery and Implantology Postgraduate.</td>
</tr>
<tr>
<td>Research Lines</td>
<td>Head of KLOCKNER® Implantology Investigation Chair.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lecturer(s):</th>
<th>CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: CARMEN CABALLERO ESCOBAR</td>
<td></td>
</tr>
</tbody>
</table>
2. TUTORIALS:

For any queries students can contact lecturers by e-mail, phone or visiting their office during the teacher’s tutorial times published on the students’ Virtual Campus.

3. COURSE DESCRIPTION

The overall process of aging in the population requires the dentists a thorough knowledge of the anatomical, physiological and medical characteristics of the geriatric patient. In addition, one must know the special features that have dental treatment in elderly patients, possible drug interactions and own psychological considerations of the elderly.

4. COMPETENCIES

1. COMPETENCIES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Basic and General Competences</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG.15</td>
<td>Knowledge of the general pathological characteristics of diseases and disorders that affect organic systems, specifically those that have oral repercussions.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Specific Competences</th>
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</thead>
<tbody>
<tr>
<td>CE.29</td>
<td>Knowledge of the oral manifestations of systemic diseases.</td>
</tr>
<tr>
<td>Code</td>
<td>LEARNING OUTCOMES</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
</tr>
<tr>
<td></td>
<td>Knowledge of the protocols of action in the dental clinic of the different systemic pathologies and the necessary modifications for the treatment of said diseases.</td>
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<tr>
<td></td>
<td>Knowledge of the oral manifestations of oncotherapy and certain drugs, as well as drug interactions in dentistry.</td>
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</table>

## 5. ACTIVITIES

### 1.- DISTRIBUTION OF STUDENTS’ ASSIGNMENT:

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>In-class hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lectures</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Seminar/Oral presentation</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>TOTAL HOURS of class participation</td>
<td>22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Non in-class hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Self student work</td>
<td>38</td>
</tr>
</tbody>
</table>

### 2.- DESCRIPTION OF LEARNING ACTIVITIES:

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DEFINITION</th>
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### LECTURE

- Learning activity oriented preferably to the competence of acquisition of knowledge (competence 1 MECES - CB 1 R.D.1393/2007) and representative of more theoretical subjects. This activity gives priority to the transmission of knowledge by the professor, with the previous preparation or later study from the student.

- The teacher will present certain introduction aspects of different theoretical content and then integrating them, according to the course syllabus. Teaching support materials will be used (paperwork handed out in class and online documents will be send through the portal of the student).

### SEMINARS

- Learning activity oriented preferably to the competence of acquisition of knowledge (CB 1 RD1393 / 2007), ability to gather, interpret and judge relevant information and data (CB 3 RD1393 / 2007) and the communication of knowledge competition (CB4 RD1393 / 2007). Prioritizes participation in common of students in the reasoned interpretation of knowledge and sources of the study area, coordinated by teacher. This activity, given the lecture classroom, may include: classroom practices, case resolutions and oral presentations among others.

- The teacher presents the topics for the program. Seminars will be held following the program of the subject, developing the knowledge from the lectures, with the active participation of the students. Support materials (such as paperwork handed out in class and digitized (online) will be send through the portal of the student).

### 6. ASSESSMENT OF LEARNING

#### 1.- CLASS ATTENDANCE:

- In order to be eligible for examination by continuous assessment students must attend at least 75% of scheduled class time (attendance sheets will be used). As students may be absent 25% of the classes, no attenuating circumstances will be accepted for absences.

- 100% attendance at seminar/workshop classes is required.

#### 2.- ASSESSMENT SYSTEM AND CRITERIA:

| ORDINARY EXAMINATION (continuous assessment) |
|------------------|------------------|
| Code | Name | Peso |
Test (multiple choice + essay question) 70%
Practical evaluation 30%

EXTRAORDINARY EXAMINATION

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Oral examination</td>
<td>100%</td>
</tr>
</tbody>
</table>

3.- DESCRIPTION OF ASSESSMENT CRITERIA:

<table>
<thead>
<tr>
<th>Assessment criteria</th>
<th>DEFINITION</th>
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| WRITTEN EXAM        | - Test that requires selecting the correct answer from a set of possible answers (true / false items, matching, multiple choice, etc.). Items can be graphics, text, illustrations, or even clinical cases. It allows to evaluate learning objectives as: knowing, recognizing and discriminating information; application of principles or rules; data interpretation.  
  o Multiple-choice test. The review will include the full agenda of the subject and will consist of a minimum of 50 multiple choice questions in which direct questions of knowledge, inferential questions and resolution of clinical cases will be included in varying percentages. The score required to pass is equal to or greater than 5, discounting each wrong question 0.33 of all the right questions |
| PRACTICAL EXAM      | - Procedure used to evaluate behavior or accomplishments while carried out (performances, debates, exhibitions, presentations, etc.) or for evaluating done paperwork (written assignments, projects, etc.).  
  - Assessment of student participation in the development of own seminars for the course |
ORAL EXAM

- It involves an examiner who talks to the student, in an unstructured way, asking questions on various topics. It allows to evaluate especially knowledge (and the ability to apply it) and the capacities of reasoning and problem-solving, critical thinking, evaluation, synthesis and analysis. It also allows to assess the ability of oral communication and interactive skills, also promoting independent thinking through the question answer structure.
  - Oral exam type in which the full content of the subject is included.

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### 7. COURSE PROGRAMME

#### 1.- COURSE PROGRAMME:

**UNITS:**

- Unit 2. Demography and Sociology of Aging
- Unit 3. Biological Changes in Ageing. Ageing of the bucodental area
- Unit 5. Psychology of the elderly patients
- Unit 7. Implantology on the elderly patient. Surgical phase.
- Unit 8. Dental caries in elderly patients.
- Unit 9. Bisphosphonate-related osteonecrosis of the jaws.
- Unit 10. Oral pathology
- Unit 11. The orofacial pain in elders.
- Unit 12. Periodontal disease in the elderly patient.
- Unit 13. Treatment Planning and Oral Rehabilitation for the Geriatric Dental Patient
- Unit 14. Literature review: review and evaluation of clinical articles.
- Unit 15. Database management: Bibliographic review

**SEMINARS:**

- Seminar 1: Medical History in Geriatric Patients
- Seminar 2: Bucomaxillofacial infections in the geriatric patient
- Seminar 3: Preneoplastic lesions and Oral Cancer
- Seminar 5: Management of patients with cognitive impairment
- Seminar 7: Implantology on the elderly patient. Prosthetic phase

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### 8. RECOMMENDED READING
1.- ESSENTIAL BIBLIOGRAPHY


2.- ADDITIONAL BIBLIOGRAPHY:


4.- WEB SOURCES:

- Página oficial de Entrez-Pubmed
  www.ncbi.nlm.nih.gov/pubmed
- Página oficial de la Sociedad Española de Cirugía Oral y Maxilofacial
  www.secom.org
- Página oficial de la Sociedad Española de Cirugía Bucal
  www.secibonline.com
9. BEHAVIOUR STANDARDS

1.- REGULATIONS:

Any irregular act of academic integrity (no reference to cited sources, plagiarism of work or inappropriate use of prohibited information during examinations) or signing the attendance sheet for fellow students not present in class will result in the student not being eligible for continuous assessment and possibly being penalized according to the University regulations.

The use of electronic devices is not allowed during classes, both theoretical and practical.

Furthermore, it is restricted the use of the documentation provided by the teacher through the student portal (presentations, questions, exercises, seminars, practical notebooks, etc.). The teacher(s) reserves the right to make use of the measures contained in the legislation on Intellectual Property, in cases where use and/or unauthorized disclosure of such material is detected.