COURSE DESCRIPTION

SUBJECT: COMMUNITY DENTISTRY
YEAR: 5TH SEMESTER: 1ST
DEGREE: DENTISTRY
MODALITY: ATTENDANCE IS REQUIRED
ACADEMIC YEAR 2019/2020
FACULTY OF MEDICINE
1. COURSE/SUBJECT IDENTIFICATION

COURSE/SUBJECT:

Name: Community Dentistry
Code: B525
Year (s) course is taught: Fifth
Semester (s) when the course is taught: First
Type: Compulsory
ECTS of the course: 6
Hours ECTS: 30
Language: English
Modality: On campus
Degree (s) in which the course is taught: Dentistry
School which the course is taught: Medicine

2.- 2.- ORGANIZATION OF THE COURSE:

Department: Dentistry
Area of knowledge: Stomatology

2. LECTURERS OF THE COURSE/SUBJECT

1.- LECTURERS:

<table>
<thead>
<tr>
<th>Responsible of the Course</th>
<th>CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: Leyre Prado Simón</td>
<td></td>
</tr>
<tr>
<td>Phone (ext):</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:Leyre.pradosimon@ceu.es">Leyre.pradosimon@ceu.es</a></td>
<td></td>
</tr>
<tr>
<td>Office: D204</td>
<td></td>
</tr>
<tr>
<td>Teaching and Research profile</td>
<td></td>
</tr>
<tr>
<td>PhD. In Dentistry. MSc. In Forensic Dentistry. Specialized in Preventive and Community Dentistry.</td>
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<tr>
<td>Research Lines</td>
<td></td>
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<tr>
<td>Prevention and prevalence of oral diseases. Dental Paleoanthropology. Forensic dentistry</td>
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<table>
<thead>
<tr>
<th>Lecturer</th>
<th>CONTACT</th>
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<tbody>
<tr>
<td>Name: Caridad Margarita Arias Maicas</td>
<td></td>
</tr>
<tr>
<td>Phone (ext): 913724700 extensión 4995</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:cmargarita@ceu.es">cmargarita@ceu.es</a></td>
<td></td>
</tr>
<tr>
<td>Office: D203</td>
<td></td>
</tr>
</tbody>
</table>
Lecturer | CONTACT
---|---
Name: Alicia de la Cuerda López
Phone (ext):
Email: adelacuerda@hmhospital.es
Office: Hospital Madrid Montepríncipe

Lecturer | CONTACT
---|---
Name: José Luis Rodríguez Marín Roy
Phone (ext):
Email: jlordmarin@hotmail.es
Office:

**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

This subject is designed for the student to acquire a global and preventive vision of general and oral health. The student will learn about the design and development of epidemiological studies, the epidemiology of oral pathologies in the world and, particularly, in Spain. The student will learn about occupational risks, and the management and documentation required in a dental practice. The subject highlights the importance of knowing the individual risk factors strategies.

### 4. COMPETENCIES

**1.- COMPETENCIES:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Basic and General Competencies</th>
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</thead>
<tbody>
<tr>
<td>CG 18</td>
<td>Know, critically evaluate and know how to use the sources of clinical and biomedical information to obtain, organize, interpret and communicate scientific and health information.</td>
</tr>
<tr>
<td>CG 29</td>
<td>Recognize the determinants of oral health in the population, both genetic and lifestyle-dependent, demographic, environmental, social, economic, psychological and cultural.</td>
</tr>
<tr>
<td>CG 30</td>
<td>Recognize the role of the dentist in the actions of prevention and protection against oral diseases as well as in the maintenance and promotion of health, both at individual and</td>
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</table>
Know the National Health System, as well as the basic aspects of health legislation, clinical management and proper use of health resources, understanding the importance of the dentist's role in the field of Primary Health Care.

That the 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.

That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

Know the National Health System as well as the basic aspects of health legislation, clinical management and proper use of health resources, understanding the importance of the dentist's role in the field of Primary Health Care.

Provide a comprehensive approach to oral care and apply the principles of health promotion and prevention of oral and dental diseases.

Educate and motivate patients on the prevention of oral-dental diseases, control pathogenic oral habits, instruct them on proper oral hygiene, on dietary and nutritional measures and, in summary, on all methods of maintaining oral health.

Know the effects of tobacco on oral health and participate in measures that help the patient who wants to stop smoking. Likewise, to know the complex interactions between environmental, social and behavioral factors with oral and general health.

To know the procedures to make an oral health diagnosis in the community and know how to interpret the results.

Know the repercussions of demographic and epidemiological trends in the practice of dentistry.

Learn about the organization and provision of oral health care in the community, both at private and public level, as well as general health care and the role of the dentist in these areas.

Prepare and execute oral health programs and learn about the inter-institutional and inter-professional coordination necessary for its execution.

Know the diagnostic methods that allow the student to identify the risk factors for the planning of an individualised preventive program.

Know the different procedures of application of preventive measures.

Identify high-risk groups in the planning of preventive strategies to achieve equity in oral health.

Understand the different strategies to train the individual and groups in the responsibility of their oral health and that of their environment.
Understand the importance of education and health promotion as a primary prevention measure.

Recognize the instruments to identify the main oral health problems as well as the needs of the population, their health status and real treatment needs.

Know how to use and analyse methods of demographic and epidemiological analysis. Apply and interpret the results of screening tests for the detection of health status-disease at a general and oral level.

Anticipate, appreciate and know how to respond to the impact that demographic and epidemiological changes may have on the corresponding healthcare and particularly in dental care.

Know the different health models, levels of care, health systems, planning, programming and methods of general and dental health assessment. Identify the international organisations related.

5. LEARNING ACTIVITIES

1.- DISTRIBUTION OF STUDENTS` ASSIGNMENT:

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>On-campus hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Practical seminars</td>
<td>32</td>
</tr>
<tr>
<td>TOTAL</td>
<td>Presence Hours</td>
<td>68</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Not on-campus hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Individual/ teamwork</td>
<td>112</td>
</tr>
</tbody>
</table>

2.- DESCRIPTION OF LEARNING ACTIVITIES:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>Learning activity oriented preferably to the competence of acquisition of knowledge 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.</td>
</tr>
<tr>
<td>Seminars</td>
<td>Learning activity which highlights the participation of the student in the reasoned interpretation of the contents and the sources of the area of study. It is oriented preferably to the competence of the application of knowledge, and to the ability of gathering, interpreting, and judging information and relevant data. It is representative of mixed profile activities or subjects, theories and practices.</td>
</tr>
<tr>
<td>Academic Tutoring</td>
<td>Activity aimed at guide during the formative process, with individual or group attention.</td>
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</table>
Practical classes

Learning activity oriented preferably to the competence of application of knowledge and representative of subjects or practical activities.

The practical classes are divided into two parts. One part developed in the classroom and the other in the community, carrying out activities of Health Education and health promotion in the elderly and children.

1. The practical classes in classrooms will consist of the presentation of topics (expositions), resolution of exercises and discussion of clinical cases and simulated epidemiological situations.

2. The practical classes have three phases: preparation of related topics and bibliographical review, preparation of brochures and/or posters as auxiliary educational materials and, finally, the realisation of the educational talks in the assigned centres. The teacher will assign the practice groups; they will never exceed ten students. Once the corresponding Practice shift is assigned, no changes will be allowed. At the end of the course, the student will present in a report all the practical work done.

6. ASSESSMENT OF LEARNING

1. CLASS ATTENDANCE:

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

- 100% attendance at practical classes is required.

All the materials needed for the practice and a perfectly clean and ironed lab coat are mandatory for the fieldwork. The student who does not fulfil these requirements will not be allowed to do the activity and will fail the practice.

2. ASSESSMENT SYSTEM AND CRITERIA:

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assistance and participation in theoretical classes</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Practical assessment.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Practical classes: 5%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fieldwork: 15%</td>
<td></td>
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<tr>
<td></td>
<td>Individual or teamwork (Project)</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Written exams</td>
<td>60</td>
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<tr>
<td></td>
<td>FINAL MARK</td>
<td>100</td>
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</tbody>
</table>

RE-TAKE EXAM/EXTRAORDINARY EXAMINATION

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Practice/theory exam. Attendance and participation in seminars, practical</td>
<td>100</td>
</tr>
</tbody>
</table>
classes and fieldwork are mandatory. To be eligible to pass the subject, the student must have 100% attendance to the practical classes, seminars and fieldwork and to present all the required written exercises. Each practice will be evaluated independently (more than 5 points out of ten are needed to pass the practical classes). The marks of the practical classes, fieldwork and seminars will be considered for the final mark.

3.- DESCRIPTION OF ASSESSMENT CRITERIA:

<table>
<thead>
<tr>
<th>Assessment criteria</th>
<th>Definition</th>
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<tbody>
<tr>
<td><strong>Practical classes</strong></td>
<td>Practical classes: The quality of the expositions and the analysis of clinical cases and epidemiological situations that the professor submits for consideration will be evaluated. Likewise, the interest, receptivity and participation of the student in each activity will be taken into account. A joint evaluation will be given to the workgroup since the assessment of teamwork is essential. Educational activities: Seriousness, compliance with the rules, quality of the educational message and the resources developed to support the activity will be valued. Attendance and participation in seminars is mandatory. To be eligible to pass the practical classes, the student must have 100% attendance in the practical classes and to present all the required written exercises. Each practice will be evaluated independently (more than 5 points out of ten are needed to pass the practical class).</td>
</tr>
<tr>
<td><strong>Individual or team work (project)</strong></td>
<td>The presentation of individual or group works, related to bibliographic reviews guided by the teacher is mandatory.</td>
</tr>
<tr>
<td><strong>Ordinary examination</strong></td>
<td>The ordinary final exam is mandatory for all students. It will evaluate all the topics taught in the course. The ordinary final exam will consist of multiple choice and short questions. The ordinary exam must be passed.</td>
</tr>
<tr>
<td><strong>Extraordinary examination</strong></td>
<td>The student who does not pass the subject in the ordinary exam must take the final exam reset of the extraordinary call. This exam will include all the themes covered during the course.</td>
</tr>
<tr>
<td></td>
<td>&quot;The student who does not present the final examination during the regular or extraordinary session will be graded with&quot; Not Presented,&quot; whether you have made any own academic activity ongoing evaluation.&quot;</td>
</tr>
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## 7. COURSE PROGRAMME

### 1.- COURSE PROGRAMME:

#### THEORY:

2. Oral health disparities.
3. Overview of biostatistics.
5. Evaluation of scientific literature.
6. The measurement of oral disease.
8. Delivery of Dental Care in Spain and Europe.
11. Financing Dental Care.
12. Quality management in Dental Care.
13. Healthcare programs for vulnerable populations.
14. Ethics and Responsibility in Dental Care.
15. Evidence-Based Dentistry.
17. Biological Hazards. Post Exposure Prophylaxis (PEP)
19. Other risks in dentistry. Ergonomic hazards (musculoskeletal disorders), noise and psychosocial risk factors.
22. Nutrition Therapy.
23. Legislation and dentistry.
24. Environmental activities and dentistry.

#### PRACTICE:

**PRACTICE 1:** Calculation of nutritional needs. Calculation of basal metabolism, energy expenditure and nutritional requirements. Management of food composition tables

**PRACTICE 2:** Design of standardized work procedures for the preparation of procedures and formats, there will be the possibility of choose between two assumptions: - "Development of an infection control procedure" for which a series of data will be given regarding the infrastructure, material, medicines (antiseptics and disinfectants), etc., etc. - "Development of an environmental management program for bio-sanitary waste from patients with infectious disease", for which data on clinical material used, infectious-contagious disease, non-clinical material used in the hospital environment, etc. will be provided.

**PRACTICE 3:** Dental indexes calculation.
PRACTICE 4: Assessing caries risk using the cariogram model.
PRACTICE 5: Presenting data in tables and charts.
PRACTICE 6: Project presentations.
FIELDWORK: Activities in Retirement Homes and with infants.

8. RECOMMENDED READING

1.- ESSENTIAL BIBLIOGRAPHY:
- Cuenca Sala, E. y Baca García P. Odontología preventiva y comunitaria. 4ª edición. Elsevier Masson; 2013.

2.- COMPLEMENTARY BIBLIOGRAPHY:
- Prieto Valiente L. ¿Qué significa “estadísticamente significativo”? Díaz de Santos S.A. Madrid 2005

4.- USEFUL RESOURCES:
- http://www.ine.es/
- http://cne.isciii.es/
- http://www.msc.es/
- http://www.madrid.org/sanidad
- http://sespo.es/

9. ATTITUDE IN THE CLASSROOM

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 be penalised according to the University regulations.
The same rule will apply to those students that, without permission from the teacher, make use of electronic devices (computers, mobile phones, etc.) in the classroom. Likewise, all materials used in this course, including notes, tests, assignments, etc. are covered by copyrights which forbid you from sharing class materials with any group. The Professors reserve all copyright and other intellectual property rights associated with their material (notes, tests, assignments, etc.). You violate the law if you post/text/share any course materials for use by others.