COURSE DESCRIPTION

SUBJECT: PROSTHESIS II
YEAR: 3RD SEMESTER: 2ND
DEGREE: DENTISTRY
MODALITY: ATTENDANCE IS REQUIRED
COURSE 2019/2020
FACULTY OF MEDICINE
# 1. IDENTIFICATION OF SUBJECT

## 1.- SUBJECT:

<table>
<thead>
<tr>
<th>Name: PROSTHESIS II</th>
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<tbody>
<tr>
<td>Code: b326</td>
</tr>
<tr>
<td>Course that is taught: Third</td>
</tr>
<tr>
<td>Semester that is taught: 2nd</td>
</tr>
<tr>
<td>Character: Obligatory</td>
</tr>
<tr>
<td>ECTS: 6</td>
</tr>
<tr>
<td>Hours ECTS: (30)</td>
</tr>
<tr>
<td>Language: English</td>
</tr>
<tr>
<td>Modality: Attendance is required</td>
</tr>
<tr>
<td>Degree to which the subject is taught: Dentistry</td>
</tr>
<tr>
<td>Faculty in which the degree is taught: Medicine</td>
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</tbody>
</table>

## 2. ORGANIZACIÓN DE LA ASIGNATURA:

| Department: Dentistry |
| Knowledge area: Stomatology |

# 2. LECTURER(S) OF THE COURSE

## 1.- IDENTIFICATION OF LECTURER(S):

### DATOS DE CONTACTO

<table>
<thead>
<tr>
<th>Subject responsible</th>
<th>Aitana Loughney González</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>Aitana Loughney González</td>
</tr>
<tr>
<td>Phone (ext):</td>
<td></td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:ailogo_8146@hotmail.com">ailogo_8146@hotmail.com</a></td>
</tr>
<tr>
<td>Office:</td>
<td>Profile teaching and Research</td>
</tr>
<tr>
<td>Lines of Investigation:</td>
<td>ASSOCIATE PROFESSOR DOCTOR</td>
</tr>
</tbody>
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### CONTACT DATA

<table>
<thead>
<tr>
<th>Lecturer(s)</th>
<th>Elena Goyoaga Sánchez</th>
</tr>
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<tbody>
<tr>
<td>Name:</td>
<td>Elena Goyoaga Sánchez</td>
</tr>
<tr>
<td>Phone (ext):</td>
<td></td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:elenagoyoaga@hotmail.com">elenagoyoaga@hotmail.com</a></td>
</tr>
<tr>
<td>Office:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lecturer(s)</th>
<th>Paloma Godín Fernández</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>Paloma Godín Fernández</td>
</tr>
<tr>
<td>Phone (ext):</td>
<td></td>
</tr>
</tbody>
</table>
For all inquiries regarding the course, students can contact the teachers via e-mail, telephone and the office at the tutorials hours that will be made public, on the website of the student.

3. DESCRIPTION OF THE COURSE

The prosthesis is a subject within the degree of dentistry vital for the student because the dentist rehabilitates the patients mouth with the order that they have teeth. Handle possible treatment options to partially edentulous patients, makes competent professional to guide the patient to the best possible treatment for your situation.

4. COMPETENCIAS

1.- COMPETENCES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Basic and general Competences</th>
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</thead>
<tbody>
<tr>
<td>CG.20-20</td>
<td>Obtain and develop a medical record that contains all the relevant information.</td>
</tr>
<tr>
<td>CG.21-21</td>
<td>Knowing perform a complete oral examination, including appropriate radiographic and additional exploration testing and obtaining appropriate clinical references.</td>
</tr>
<tr>
<td>CG.22-22</td>
<td>Being able to develop an initial diagnosis and establish a rational diagnostic strategy, being competent in recognizing situations that require urgent dental care.</td>
</tr>
</tbody>
</table>
To establish the diagnosis, prognosis and appropriate treatment planning in all clinical areas of dentistry, competent in the diagnosis, prognosis and plan development dental patient treatment requiring special care, including medically compromised patients (such as diabetes, hypertension, immunosuppressed, anticoagulated, among others) and disabled patients.

CB2 - Students can apply their knowledge to their work or vocation in a professional manner and have competences typically demonstrated through devising and defending arguments and solving problems within their field of study.

CB3 - Students have the ability to gather and interpret relevant data (usually within their field of study) to inform judgments that include reflection on relevant social, scientific or ethical.

<table>
<thead>
<tr>
<th>Código</th>
<th>Specific competences</th>
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</thead>
<tbody>
<tr>
<td>CE.34</td>
<td>Perform basic treatments on buco-dental pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimally invasive and in a comprehensive and integrated approach to buco-dental treatment.</td>
</tr>
<tr>
<td>CE35.1</td>
<td>Diagnose, plan and carry out, in general, a multidisciplinary, sequential and integrated limited complexity in patients of all ages and treatment.</td>
</tr>
<tr>
<td>CE35.2</td>
<td>Diagnose, plan and carry out, in general, a multidisciplinary, sequential and integrated limited complexity treatment in patients with special needs (diabetes, hypertension, cancer, transplant, immunosuppressed, anticoagulated, etc.) or disabled.</td>
</tr>
<tr>
<td>CE36.1</td>
<td>For establishing the diagnosis and treatment plan the dentist should take and interpret X-rays and other image-based procedures, relevant in dental practice.</td>
</tr>
<tr>
<td>CE36.2</td>
<td>For establishing the diagnosis and treatment plan the dentist should perform diagnostic models, assemble and take interocclusal records.</td>
</tr>
<tr>
<td>CE36.3</td>
<td>For establishing the diagnosis and treatment plan the dentist should determine and identify the aesthetic requirements of the patient and the chances of meeting their concerns.</td>
</tr>
<tr>
<td>CE36.4</td>
<td>For establishing the diagnosis and treatment plan your dentist should identify the patient who requires special care, recognizing its characteristics and peculiarities</td>
</tr>
<tr>
<td>CE36.5</td>
<td>For establishing the diagnosis and treatment plan your dentist should evaluate motor and sensory function of mouth, jaws and appendages.</td>
</tr>
<tr>
<td>CE37.1</td>
<td>For the establishment of proper treatment the dentist must be competent in the appropriate prescription of drugs, knowing their contraindications, interactions, systemic effects and effects on other organs.</td>
</tr>
<tr>
<td>CE37.2</td>
<td>For the establishment of proper treatment the dentist must be competent in applying techniques of locoregional anesthesia.</td>
</tr>
<tr>
<td>CE37.3</td>
<td>For the establishment of proper treatment the dentist must be competent to prepare and isolate the field.</td>
</tr>
<tr>
<td>CE37.4</td>
<td>For the establishment of proper treatment the dentist must be competent to identify, assess and respond to emergencies and medical emergencies that may arise during clinical practice and apply cardiopulmonary resuscitation; manage acute infections including drug prescriptions and simple surgical aspects.</td>
</tr>
<tr>
<td>CE37.5</td>
<td>For the establishment of proper treatment the dentist must be competent to identify and address any dental emergency.</td>
</tr>
<tr>
<td>CE37.6</td>
<td>For the establishment of proper treatment the dentist must be competent to perform both medical and surgical treatment of common diseases of the oral soft tissues.</td>
</tr>
<tr>
<td>CE37.8</td>
<td>For the establishment of proper treatment the dentist must be competent to perform simple surgical procedures: removal of temporary and permanent erupted teeth, fractured or retained roots and uncomplicated surgical removal of impacted teeth and simple...</td>
</tr>
</tbody>
</table>
procedures for pre-prosthetic surgery.

<table>
<thead>
<tr>
<th>Code</th>
<th>Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE37.1 5</td>
<td>For the establishment of proper treatment the dentist must be competent to perform conventional cosmetic procedures from a multidisciplinary perspective.</td>
</tr>
<tr>
<td>CE37.1 6</td>
<td>For the establishment of proper treatment the dentist must be competent in treating both partially and total edentulous, including biological design (specific design features), tooth preparation, obtaining records, clinical tests and adapt to the patients the removable partial dentures and full dentures, simple dental-supported bridges and simple implant prosthetics, both removable and fixed, including fitting and commissioning.</td>
</tr>
<tr>
<td>CE37.1 7</td>
<td>For the establishment of proper treatment the dentist must be competent to develop the requirements for medical devices as dental prostheses, orthodontic appliances and dental-facial orthopedics.</td>
</tr>
</tbody>
</table>

2.- LEARNING OUTCOMES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The student acquires the foundation of the structure, organization and functioning of the temporomandibular joint and its application throughout prosthetic rehabilitation</td>
</tr>
<tr>
<td></td>
<td>• The student understands and knows in depth dental occlusion</td>
</tr>
<tr>
<td></td>
<td>• Students acquire the skills to diagnose and treat properly prosthetically each type of tooth loss physiologically integrating each treatment under occlusion and TMJ</td>
</tr>
<tr>
<td></td>
<td>• The student is able to establish a comprehensive treatment plan and correct in each case</td>
</tr>
</tbody>
</table>

5. TRAINING ACTIVITIES

1.- STUDENT WORK DISTRIBUTION:

<table>
<thead>
<tr>
<th>Total Hours of the Subject</th>
<th>180</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>Name</td>
</tr>
<tr>
<td>5516</td>
<td>Theoretical classes</td>
</tr>
<tr>
<td>5516</td>
<td>Practical classes</td>
</tr>
<tr>
<td>TOTAL</td>
<td>attendance hours</td>
</tr>
<tr>
<td>Código</td>
<td>Name</td>
</tr>
<tr>
<td>5516</td>
<td>Student autonomous work</td>
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</tbody>
</table>
### 2.- DESCRIPTION OF TRAINING ACTIVITIES:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>Master class</td>
<td>The lecturer will present certain aspects of the introduction to the different theoretical blocks of the subject and the integration thereof, according to the course syllabus. Instructional support materials will be used (Documents handed out in class and digitized to be disseminated through the student portal).</td>
</tr>
<tr>
<td>Seminars</td>
<td>The lecturer presents the topics for the program. Seminars will be held following the program of the subject, raised by developing knowledge in lectures, with the active participation of students. Instructional support materials will be used (Documents handed out in class and digitized to be disseminated through the student portal).</td>
</tr>
<tr>
<td>Academic tutoring</td>
<td>Academic tutoring skills aimed mainly at acquisition of knowledge, competence acquisition of learning skills and knowledge communication competition will be held. The instructions of the work that the student must perform will be strengthened and, at the request of the student, all the difficulties that may arise in the learning process will be addressed.</td>
</tr>
</tbody>
</table>
| Practical           | The practical classes are divided into two parts. A part developed in the classroom, another in laboratories.  
1. Classroom practices consist of conducting exhibitions, presentations, case studies, seminars, etc.  
2. During classroom practices the system of continuous evaluation was performed.  
3. The practical laboratory classes will be held in sessions of 3 hours per day, spread over two blocks throughout the semester. Once assigned the corresponding shift Practices, no change except in cases justified in writing will not be allowed and must be approved by the lecturer responsible for the subject.  
4. Students are organized into working groups to carry out the proposal on the agenda of the subject, under the supervision of the lecturer responsible practical part, besides analyzing and discussing the results, translating them individually in a laboratory notebook, which it will be delivered exclusively to the corresponding lecturer, date and place indicated.  
5. Practical laboratory classes are divided into two parts. Part of lecturer's explanation and part developed by the student in the corresponding group, and as specified in the schedule of the academic year. During the same students must take all the necessary materials for the development of it as a clinic gown in adequate hygienic conditions. During the development of practical individual notebook, which serves as guide practices and delivered to the related assessment must be completed. It is mandatory that students attend practices with notebook properly bound, with no loose and photo on the front page leaves. Not having the necessary materials cannot enter into practice. After each practice the student must submit their work so it can be evaluated, providing for that purpose grade book (notebook). |
6. SYSTEMS AND EVALUATION CRITERIA

1.- CLASS ATTENDANCE:

• To qualify under the system of continuous assessment 75% attendance of the theoretical lectures is required (attendance controls will be made). Since the student can miss 25% of all classes, justifications of absence will not be accepted.

• Attendance at practical classes is mandatory by 100% to pass the subject.

For laboratory practice it is essential to the presentation of all materials previously requested, the lab notebook and the corresponding white coat and perfectly clean. Failure to meet these requirements the lecturer cannot let the student perform the particular practice and will make you lose the right to continuous assessment.

Unless expressly and with prior authorization of the teaching staff, NO changes are allowed in the groups and days of practice established in the lists. Only punctual changes due to a justified cause may be authorized under the criteria of teaching staff, being necessary to provide written proof.

Excused absences will not be considered: organized family trips, travel to homes of origin for holiday periods, in the same way medical certificates issued by a family member will be invalid.

2.- SYSTEMS AND EVALUATION CRITERIA:

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ORDINARY CALL (Continuous evaluation)</td>
<td></td>
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<tr>
<td></td>
<td>Multiple choice written exam by terms</td>
<td>60%</td>
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<tr>
<td></td>
<td>Practical type evaluation</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>Individual and/or group Works assistance</td>
<td>10%</td>
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<tr>
<td></td>
<td>FINAL GRADING OF THE SUBJECT</td>
<td>100%</td>
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<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Peso</th>
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<tbody>
<tr>
<td></td>
<td>EXTRAORDINARY CALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Extraordinary theoretical / practical written exam</td>
<td>100%</td>
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</tbody>
</table>

The qualification of the extraordinary call will be that of the extraordinary exam. The practice mark must be greater than or equal to five points out of ten.
### 3.- DESCRIPTION EVALUATION SYSTEM:

<table>
<thead>
<tr>
<th>Evaluation system</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Partial and final exams</td>
<td>The exam will consist of a multiple choice test (TEST) consisting of 40 questions and 5 options. The test does not subtract, a 70% grade will be necessary to pass. Taking into account that it is a subject belonging to health sciences and that in the future the student will have to perform these treatments on a patient, conceptual errors that could cause an important iatrogenesis in the future will not be overlooked. In this way the errors considered critical will be rated with a 0.</td>
</tr>
<tr>
<td>Laboratory and class practical classes</td>
<td>The practical part of the subject will follow a system of continuous evaluation, referring to parameters of: attendance (mandatory), behavior, presence of the student in terms of their hygienic clothing, wear the gown and provide the precise instruments in each practice, forms, systematic and work discipline, success of the result, teamwork and daily practical qualification. In the final mark of practices, the laboratory work, the workbook, as well as the evolution of the student and the acquisition of skills in the management of prosthetic materials and techniques, continuous evaluation and note of the practical test will be taken into account.</td>
</tr>
<tr>
<td>Extraordinary</td>
<td>The student who does not pass the subject in the ordinary call must submit to the final exam of the extraordinary call of the subject. The extraordinary exam may include questions regarding the work that has been done during the course. The extraordinary practice exam will take place on the same day as the theory exam. It will consist of an oral exam of 3 questions of theoretical and practical content. The qualification of the extraordinary call will be that of the extraordinary exam. To pass the exam, both the theory grade and the practice grade must be greater than or equal to five points out of ten.</td>
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### ORDINARY CALL (Continuous Assessment)

<table>
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<tr>
<th>Code</th>
<th>Name</th>
<th>Weight</th>
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</table>

- The exam consist of a type choice test (TEST) consisting of 40 questions and 5 options. The test does not rest and will require a grade of 70% to pass. Considering that this is a subject pertaining to health sciences and that in the future students will have to perform these treatments in a patient not are ignored conceptual errors that could cause in the future an important iatrogenic. Thus considered critical errors will be rated with 0.
- In the final practice will take into account the work of laboratory notebook practice and daily assessment of each practice, BEING THEREFORE AN ONGOING EVALUATION well as the evolution of the student and the acquisition of skills in handling prosthetic materials and techniques, continuous assessment and note of the practical test.
EXTRAORDINARY CALL

<table>
<thead>
<tr>
<th>Code</th>
<th>Students who do not pass the subject in the ordinary call will be submitted to final exam resit of the matter.</th>
<th>Weight</th>
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<tbody>
<tr>
<td></td>
<td>• The extraordinary examination may include questions relating to the work that has been done during the course.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• The extraordinary practice exam will take place the same day as the theory.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• an oral examination will consist of 3 questions of theoretical and practical content</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• In the rating of the resit will be that of the extraordinary examination.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The practice note must be greater or equal to five out of ten.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• The student is submitted to the final exam in regular or special call will be qualified with &quot;no presented&quot;, irrespective of they have made any own academic activity of the continuous assessment.</td>
<td></td>
</tr>
</tbody>
</table>

7. SUBJECT PROGRAM

1.- PROGRAMA DE LA ASIGNATURA:

THEORETICAL PROGRAM:

1. PARTIALLY EDENTULOUS PATIENT
2. STUDY AND EVALUATION OF PARTIALLY EDENTULOUS PATIENT
3. CONCEPTS AND GENERAL PRINCIPLES OF RPD (REMOVABLE PARTIAL DENTURE)
4. PARTIAL DENTURE BASE AND TOOTH SUPPORT
5. CONNECTORS
6. RETAINERS (CLASPS) IN RPD (REMOVABLE PARTIAL DENTURE)
7. BIOMECHANICS
8. DESIGN OF REMOVABLE PARTIAL PROSTHESIS. PARALLELIZATION (SURVEYOR) OF THE DIAGNOSTICS MODELS: GENERAL PRINCIPLES AND SYSTEMATIC.
9. RPD TREATMENT PLANNING AS A RESULT OF THE DIAGNOSIS.
10. IMPRESSIONS AND DEFINITEVE MODELS IN RPD
11. CLINICAL TRY IN OF THE STRUCTURES. TRANSFERENCE AND SECTIONAL IMPRESSIONS. SELECTION OF TEETH AND OCCLUSAL SCHEME. INSTRUCTIONS TO THE LABORATORY. ACRYLIC PROCESSING AND TERMINATION.
12. RPD FITTING, CARE AND MAINTENANCE ADVICE.
13. MIXED PROSTHESIS
15. Removable. obturator
### PRÁCTICAL PROGRAM:
The practical program is detailed in the lab notebook to be delivered at the beginning of the course.

### 8. BIBLIOGRAPHY OF THE SUBJECT

#### 1. BASIC BIBLIOGRAPHY:


#### 2. COMPLEMENTARY BIBLIOGRAPHY:

- "Temporomandibular disorders and occlusion" Okeson. Ed Eselvier Mosby
- "Manual Implant Prosthesis". Matos Rodrigues D. Ed. Medical Arts Latin America
- "Removable partial denture and overdenture." Mallat Desplats E; Mallat Callis E. Ed. Elsevier
- "Prosthesis basis and foundations" Ed.Ripano
- Fundamentals of oral surgery in the anterior group .Quintessence

Update articles on topics along the course that will be providing to students as a support to theoretical or practical content items of the subject.

Literature search accessible through web resources useful Recommended

#### 4. USEFUL WEB RESOURCES:

- Virtual Library San Pablo CEU University: CEUNET: e-resources (Dialnet; EBSCO; EBSCO A to z; scopus)
- Pubmed-Medline
- COEM www.coem.org.es/
- Magazine: The International Journal of Prosthodontics (CEUNET access)
- Journal: The Journal of Prosthetic Dentistry
- International Journal of Prosthodontics
9. RULES OF CONDUCT

1. RULES:

| Faults in the Academic Integrity (no citation of sources, plagiarism job or misuse / prohibited information during exams) and sign the attendance sheet for a partner who is not in class will entail the loss of continuous assessment, subject to punitive actions are established. |
| The use of electronic devices are not allowed during classes, both theoretical and practical. |
| It is likewise restricted use of the documentation provided by the lecturer through the student portal (presentations, questions, exercises, seminars, practical notebooks, etc.) To the preparation of the subject. The lecturer(s) reserve 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. |

| Faults in the Academic Integrity (no citation of sources, plagiarism job or misuse / prohibited information during exams) and sign the attendance sheet for a partner who is not in class will entail the loss of continuous assessment, subject to punitive actions are established. |
| The student who is caught cheating on a test by means such as notes, chops, mobile, ear plugs or other technologies or practices presenting peers will go to resit examined orally in court. |
| It is ESSENTIAL the attendance to the practices, white coat under appropriate conditions of hygiene, hair pulled back and the presentation of all the material needed for each practice by each student individually, being sufficient reason breach of the rules for non embodiment thereof and consequent expulsion of laboratory practices. |
| The use of mobile phones in the theoretical and practical classes, as well as the use of any electronic device is strictly prohibited. The use would be grounds for expulsion. |
| ENTRY INTO CLASSES MUST BE PUNCTUAL, LEAVING 10 MINUTES OF COURTESY, ONCE THIS TIME PAST THE PROFESSOR WILL NOT ALLOW THE ENTRANCE TO THE CLASS AND IT WILL BE CONSIDERED AS AN ABSENCE. |