

## 29308 - Scientific documents in odontology

### Información del Plan Docente

<b>Academic Year</b>	2016/17
<b>Academic center</b>	229 - Facultad de Ciencias de la Salud y del Deporte
<b>Degree</b>	442 - Degree in Odontology
<b>ECTS</b>	6.0
<b>Course</b>	1
<b>Period</b>	Second semester
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **1.Basic info**

#### **1.1.Recommendations to take this course**

#### **1.2.Activities and key dates for the course**

### **2.Initiation**

#### **2.1.Learning outcomes that define the subject**

#### **2.2.Introduction**

### **3.Context and competences**

#### **3.1.Goals**

#### **3.2.Context and meaning of the subject in the degree**

#### **3.3.Competences**

#### **3.4.Importance of learning outcomes**

### **4.Evaluation**

### **5.Activities and resources**

#### **5.1.General methodological presentation**

The learning process that is designed for this subject is based on the following:

The learning process is being developed to acquire the skills necessary to understand and criticize a scientific text and to make a correct search for any type of scientific documentation and present a research paper that meets correctly the international standards of publications (Vancouver).

We use active learning methodology based on three types of activities: exposure or expert approach to problems,

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personal observation and systematic analysis of sources of scientific information, and the resolution of a single research problem.

The teaching activities will be held both at group level only in the case of master classes, and smaller size groups in the case of practical lectures that will be specified in the schedule of each group.

### 5.2.Learning activities

**The program that the student is offered to help you achieve the expected results includes the following activities:**

#### **Theoretical classes**

They will aim to expose the different teaching blocks, using audiovisual media and Internet, necessary for an understanding of the materials that will later be used in practice and at the end of the course will be examined. They are taught in large classroom sessions one or two hours.

#### **Practical classes and workshops**

They aim to observe, quantify, analyze and evaluate basic scientific reports (journal articles, medical records), in order to familiarize students with the new technologies of information and documentation applied to health and biomedical research. Learning to manage the necessary steps to have easy access to sources of biomedical information will allow students to immediately know all the innovations that are generated in the scientific world. Another of the objectives is to accustom students to public exposure of the various tasks performed.

*Practices in the computer room.*

*Exhibition and oral defense.*

*Practices Documentation and Coding Diagnostic Clinic.*

*Seminars in groups to solve problems and cases.*

#### **Final work**

This work enables students to learn the methodology necessary to develop a research: from the problem statement to the development of the final conclusions and their presentation and publication in forums and magazines science.

This activity, allows students to apply basic concepts acquired in the training sessions and in some research-based techniques.

Topics for research that can be done individually or in groups previously designed in the classroom practices are offered.

All research groups are working with the same methodology:

- General Study Design: objectives, materials and methods. Preparation of the work plan, writing the introduction and assignment of team tasks.
- Data collection: development of an Excel file, Word, etc. File Maker
- Data analysis and summary of the results: Preparation of iconography for the presentation of the results: graphical tables, charts, concept maps etc.
- Drafting of the final report in the scientific style and compromise to Vancouver standards, structured in: Introduction, Material and Methods, Results (Discussion, if any) and Bibliography. Oral presentation of selected papers, discussion and delivery of the written report.

#### **Tutorials**

Every day, before or after class students, can access to tutorials (with a previous day request for a better planning and distribution of the teaching load).

In addition to the scheduled lectures, students may demand a tutorials in a different day and the date prior agreement with the teacher of the subject

### 5.3.Program

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### PROGRAM IN DENTISTRY SCIENTIFIC DOCUMENTATION

1. Health concept. Health inequality.
2. Scientific and technological system (I + D + i).
3. Information sources. scientific communication. How to find and use scientific information.
4. Bibliometric indicators and dissemination of publications.
5. Research Methodology I. Models of change and scientific progress.
6. Research Methodology II. The efficient search of the scientific literature.
7. Research Methodology III. The presentation of scientific communication.
8. Structure and theory of the medical act. scientific language and technicalities. Dental Classification of Diseases: ICD-OE.
9. Itineraries recovery of health and medical act. Medical history and research.
10. Research in Health Economics. Basic concepts.

### 5.4.Planning and scheduling

#### Schedule sessions and presentation of works:

The duration of classes is 2 hours and the work will go along doing all in alternating semester lecture with practical, as it develops the daily progress of the theory.

The final work will be performing weekly since the issue number 3 with periodic tutorials and final presentation is finished in two formats: as an article published in a scientific journal and poster presentation format for a conference.

### 5.5.Bibliography and recommended resources

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