VNIVERSITAT DE VALÈNCIA

Course Guide
34507 Production, publication and difusion of research results

COURSE DATA

Data Subject	
Code	34507
Name	Production, publication and difusion of research results
Cycle	Grade
ECTS Credits	4.5
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. year	Period
1204 - Degree in Medicine	Faculty of Medicine and Odontology	5	First term

Subject-matter

Degree	Subject-matter	Character
1204 - Degree in Medicine	18 - Optional subjects	Optional

Coordination

Name	Department
ABAD GARCIA, MARIA FRANCISCA	225 - History of Science and Documentation

SUMMARY

The teaching in this subject is meant for students to become familiar with aspects regarding scientific research and its processes, to be able to compile publications in which students can disseminate results found to the scientific community. The main objective is that students not only acquire basic knowledge for compiling scientific work, but that they also develop necessary skills for their professional practise and acquire them at the end of their learning process.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

OUTCOMES

1204 - Degree in Medicine

- Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.
- Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.
- Know how to use IT in clinical, therapeutic and preventive activities, and those of research.
- Be able to formulate hypothesis, gather information and evaluate it critically in order to solve problems by following the scientific method.
- Proper organisation and planning of the workload and timing in professional activities.
- Team-working skills and engaging with other people in the same line of work or different.
- Criticism and self-criticism skills.
- Capacity for communicating with professional circles from other domains.
- Acknowledge diversity and multiculturality.
- Consideration of ethics as a fundamental value in the professional practise.
- Working capacity to function in an international context.

LEARNING OUTCOMES

Once the module is finished, students will be able to:

- Be acquainted with the aspects of communication.
- Do an oral presentation in front of an audience.
- Compile scientific work and professional records.
- Be acquainted with new mechanisms for publication and dissemination of scientific information.

DESCRIPTION OF CONTENTS

1. SIENTIFIC PUBLICATIONS IN BIOMEDICINE.

The role of scientific publications.
Publications as a measure of results found in research.
Pressure to publish.
Ethics of scientific publication.
Types or scientific articles.
Introduction to research work. Academic work, final projects and PhD thesis.

2. ORGNISING RESEARCH WORK.

Literature review.
Establishment of hypothesis and objectives.
Define the type of research work and its design.
Definition of the variables.
Data compilation methods.
Planning the analysis of results found.

3. MANAGEMENT AND EXPLOITATION OF BLIBLIOGRAPHIC INFORMATION IN SCIENTIFIC RESEARCH.

Need for recognising other authors publications.
The concept of plagiarism and its different types.
Quoting: incorporation of texts and ideas by other authors.
Types of quoting: literal quoting, paraphrasing and abstracts.
Norms for quoting.
Operators of bibliographic references. Definition and reasons to use them.

4. BIBLIOGRAPHY REVIEW. REVISION WORK.

Search of bibliographic information in scientific work.
The background section.
Systematic search of literature in revision work.
Types of revision work.
Compilation, documentation and analysis of results found in systematic search of revision work.

5. WRITING SCIENTIFIC WORK IF

General aspects regarding structures of original scientific articles. The IMRAD structure.
Order of the text.
Correspondence between the parties in scientific work.
Argumentation, style of writing and verb tenses.

6. WRITING SCIENTIFIC WORK II

Titles for scientific work. Characteristics and types of titles.
Writing an introduction: the rhetorical structure of Swales.
Writing the material and method chapter.
Writing the results chapter.
Writing the discussion chapter.
Bibliography chapter.

7. PUBLICATION AND DISSEMINATION OF SCIENTIFIC ARTICLES.

Publication of an article in a scientific magazine.
The publishing process. Definition and types.
Transfer of economic rights (copyright).
Implications of transferring economic rights when reusing certain information.
Dissemination of published information. Data bases, repositories, academic networks.

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	19,00	100
Seminars	12,00	100
Computer classroom practice	10,00	100
Tutorials	4,00	100
Attendance at events and external activities	5,00	0
Development of group work	10,00	0
Development of individual work	15,00	0
Readings supplementary material	10,00	0
Preparation of evaluation activities	11,00	0
Preparing lectures	10,00	0
Preparation of practical classes and problem	4,00	0
Resolution of case studies	2,50	0
TOTAL	**112,50**	

TEACHING METHODOLOGY

In theoretical lessons, professors will present the most important concepts and content through master classes in a structured way, so that students achieve several skills and meet the objectives. Students' participation in the class should be encouraged. They will have access to the didactic material professors have used, if they consider it to be appropriate, through the electronic platform *Aula Virtual*.

Attendance to practical classes: consisting of seminaries and exercises in the computer room where students will be able to analyse practical cases and work on projects. Students should apply in new classes the contents they learnt individually in previous lessons.

EVALUATION

Theoretical assessment: Executed in the form a written test, the questions of which may be combined (short questions and multiple-choice ones) and which will prove knowledge acquisition during the academic year.Choosing three incorrect answers will penalise a correct one (i.e. leading to a negative mark). Questions left blank will not be penalised. These result will constitute 50% of the final mark.

Practical assessment: studentswill be required to create a project (group work) which will make up 50% of the final mark.

Individual assessment in every practise is compulsory, and attendance (at least to 80% of all classes) will be necessary to pass. Moreover, students should obtain at least 3 points in their evaluation in order to pass the module.

In this subject students will not be allowed to write their test if they have not completed their training.

Attendance to practical sessions is mandatory. Unjustified non-attendance to more than 20% of the sessions will make it impossible to pass the course.

REFERENCES

Basic

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  http://eprints.rclis.org/40363/1/busqueda%20recuperacion%20y%20evaluacion.pdf

Additional

- VIDEO: CONSECUCION DE FINANCIACIÓN DE LA INVESTIGACIÓN BIOMÉDICA
  http://www.youtube.com/watch?v=DrIGD2Dwb7A&feature=share&list=PLmquZD2sO_g5yWRW7lE5j6Fyx80UM8
- VIDEO. Consideraciones antes de realizar un proyecto de investigación
  http://www.youtube.com/watch?v=M6CVzfjZxbo&feature=share&list=PLmquZD2sO_g5yWRW7lE5j6Fyx80UM8s
- VIDEO. LA PREGUNTA A INVESTIGAR
  http://www.youtube.com/watch?v=DJXpagArF4A&feature=share&list=PLmquZD2sO_g4_-tj1q-ZjNhr3i64iETgT
- VIDEO. Autoria científica
  http://www.youtube.com/watch?v=gYG743pRUWw&feature=share&list=PLmquZD2sO_g7K1B8W9kzkjUTOML-N3nu6
- VIDEO. Seleccionar revista científica.
  http://www.youtube.com/watch?v=bviOEWXQ7fc&feature=share&list=PLmquZD2sO_g7K1B8W9kzkjUTOML-N3nu6

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

Siguiendo las recomendaciones del Ministerio, la Consellería y el Rectorado de nuestra Universidad, para el período de la "nueva normalidad", la organización de la docencia para el primer cuatrimestre del curso 2021-22, seguirá un modelo híbrido, donde tanto la docencia teórica como práctica se ajustará a los horarios aprobados por la CAT pero siguiendo un modelo de Presencialidad / No presencialidad en la medida en que las circunstancias sanitarias y la normativa lo permitan y teniendo en cuenta el aforo de las aulas y laboratorios docentes. Se procurará la máxima presencialidad posible y la modalidad no presencial se podrá realizar mediante videoconferencia cuando el número de estudiantes supere el coeficiente de ocupación requerido por las medidas sanitarias. De manera rotatoria y equilibrada los estudiantes que no puedan entrar en las aulas por las limitaciones de aforo asistirán a las clases de manera no presencial mediante la transmisión de las mismas de manera síncrona/asíncrona via “on line”.