



Universitat de Lleida

DEGREE CURRICULUM
**JOURNAL CLUB FOR
BIOMEDICAL STUDENTS**

Coordination: FERREZUELO MUÑOZ, FRANCISCO

Academic year 2021-22

Subject's general information

Subject name	JOURNAL CLUB FOR BIOMEDICAL STUDENTS			
Code	101662			
Semester	PRIMER QUADRIMESTRE			
Typology	Degree	Course	Character	Modality
	Bachelor's Degree in Biomedical Sciences	4	OPTIONAL	Attendance-based
Course number of credits (ECTS)	3			
Type of activity, credits, and groups	Activity type	PRAULA	TEORIA	
	Number of credits	2	1	
	Number of groups	1	1	
Coordination	FERREZUELO MUÑOZ, FRANCISCO			
Department	BASIC MEDICAL SCIENCES			
Important information on data processing	Consult this link for more information.			
Language	English			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
FERREZUELO MUÑOZ, FRANCISCO	francisco.ferrezuelo@udl.cat	3	

Subject's extra information

This course is aiming at critically reading scientific literature and in-class discussions of assigned papers. This is an optional course, hence the prospective student must realize that choosing this course means being willing to read and contribute to the discussion. If you are a student who thinks that making the effort to read is too harsh, please do not take this course.

Papers are written in English. This is the language we use for in-class lectures and discussions.

Learning objectives

To carry out effective communication, both orally and in writing, with people, health professionals or industry and the media.

To know how to use information and communication technologies, especially those related to biomedical sciences and health .

To understand, critically assess and know how to use and apply the sources of information related to research in biomedical sciences.

To interpret the results and observations of research projects in biomedical sciences.

To acquire basic training for the research activity, being able to formulate hypotheses, collect and interpret information to solve problems following the scientific method.

Competences

CB1 That students have demonstrated to possess and understand knowledge in an area of study that starts from the base of high school education, and it is usually found at a level that, although supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study

CB2 That students know how to apply their knowledge to their work in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.

CB3 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.

CB4 That students can transmit information, ideas, problems and solutions to both specialized and non-specialized audiences.

CG1. Have a correct oral and written expression

CG2 Mastering a foreign language.

CG4 Respect the fundamental rights of equality between men and women, the promotion of Human Rights and the values of a culture of peace and democratic values.

CG5 Apply the gender perspective to the tasks of the professional field

CE18. Critically assess and use the technologies and sources of clinical and biomedical information to obtain, organize, interpret and communicate clinical, scientific and health information

CE65. Analyze scientific information through specialized publications, as well as being able to summarize and present it in different formats.

CE66. Recognize the scientific methodology of the investigation.

CE72. Properly use the scientific and technical vocabulary of the different fields of biomedical sciences Be able to make understandable written reports on the work carried out, with a justification based on the theoretical-practical knowledge obtained

CE74. Present a public exhibition of a scientific work

Being able to interpret the statistical results of a study and discuss the conclusions based on the results of the analysis.

Subject contents

Along this course we will study a number (10-15) of scientific papers in the field of Biomedicine. A variety of topics will be covered and a mix of classical and contemporary papers will be read. There will be more emphasis on basic research than in clinical studies. The list of papers may change every year and some papers may be chosen by the students.

Methodology

There will be lectures by the professor to introduce the subjects (papers).

There will be students' presentations to summarize the assigned papers.

There will be in-class discussions about the assigned papers and other materials.

In principle, students will work individually, but depending on the number of students, they may have to work in small groups, specially for the presentations.

Development plan

Every week we will use about two hours to summarize and discuss the paper assigned the previous week. The third hour or so the professor will introduce the paper for the following week. Thus, for the first two hours of the week students should be the main actors of the course, while for the third hour this role will be mainly taken by the professor.

Evaluation

In principle, there will be no tests (exams) during the course, but this will depend on the number of students. Should this be high (more than 15 or so), then we may need to have a final test. As long as the students make the minimal effort of reading the assigned papers and they make some contributions to the discussions, there should be no problem to pass satisfactorily this course.

If there is no final test, the grading will be based on their presentation(s) and their contributions to the in-class discussions.

If there is a final test, this will count 75% and the other activities 25%.

Bibliography

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The assigned papers will constitute the main bibliographic material of the course. Some additional material may be recommended on occasion.