



Syllabus

Subject

Subject / Group	10274 - Financial Resources for R+D in Food Sciences / 1
Degree	Master's in Nutrigenomics and Personalised Nutrition
Credits	2
Period	1st semester
Language of instruction	Spanish

Professors

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office / Building
Juana Sánchez Roig joana.sanchez@uib.es						You need to book a date with the professor in order to attend a tutoring session.

Context

Professor

Research Keywords: Perinatal nutrition, metabolic programming, early biomarkers.

Associate professor (tenured) at Departamento de Biología Fundamental y Ciencias de la Salud, UIB.

Author of more than 60 research articles, 2 international reviews, 3 book chapters, 3 patents and more than 200 contributions to national and international conferences. H-index: 24. She is co-principal investigator of a competitive national research project from ISCIII. She has participated in 6 European and 15 national/autonomic research projects, and in 9 R+D private contracts.

Subject

Final Resources for R+D in Food Sciences is a subject that aimed to be aware of and familiar with the main routes to obtain scientific information, be aware of its importance regarding professional improvement, be aware of the available funding sources and patent system, gain skills in writing and presenting both written and oral scientific works.

Requirements

Skills

Specific

- * E8 - Know the sources of funding for research, development and innovation in the field of discipline



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Generic

- * G10 - Ability to articulate knowledge in oral and written presentations
- * G12 - Ability to develop their work in English (language internationally recognized scientific discipline)
- * G3 - Ability to work independently with initiative and solve problems effectively
- * G6 - Ability to work inter-disciplinary
- * G8 - Ability to assess and participate in teamwork
- * CB10 - Students should possess the learning skills to allow them to continue studying in a way that will have to be largely self-directed or autonomous.
- * G9 - Ability to collect, organize and critically analyze the research literature and professional discipline
- * G7 - Respect for ethics and intellectual integrity
- * G4 - Ability to formulate hypotheses and design studies for verification

Basic

- * You may consult the basic competencies students will have to achieve by the end of the Master's degree at the following address: http://estudis.uib.cat/master/comp_basiques/

Content

Range of topics

Section 1. Disseminating the results of research.

Session 1. Bibliographical sources and online databases.1

Session 2. Oral and written presentation of research work

- * Scientific articles. Structuring, writing and elaborating scientific articles.
- * Scientific journals. Specific instructions, field of journal. Where to publish a specific article?
- * Managing bibliography: examples of applications for management of bibliography.

Session 3. Introduction to main quality markers in scientific works

- * Impact index. Citations gained. Quartiles. Other quality indicators.
- * Applications of ISI Web of Knowledge.

Section 2. Transferring the results of research.

Session 4. Patents

- * Introduction. Legislation. Characteristics and structure of patents. Tools to search for patents.

Session 5. Spin off

- * What are spin-off businesses?

Section 3. Funding R&D in the food sector

Session 6. Funding research in the food sector

- * Introduction to public and private funding of research in the food sector. Public entities funding R&D.

Session 7. Research projects and research grants

- * Introduction to research projects. Elaborating an R&D project. Examples of specific calls.

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* Introduction to reseach career. Predoctoral grants. Postdoctoral contract

Teaching methodology

In-class work activities (0.3 credits, 7.5 hours)

Modality	Name	Typ. Grp.	Description	Hours
Theory classes	Theory	Large group (G)	* Classes * PowerPoint presentations in lectures * Use of Moodle environment to transmit content and material and as an interactive communication tool. * Bibliographic material (books, scientific articles, databases, etc.).	2
Seminars and workshops	Presentation, defence and evaluation of a project proposals.	Medium group (M)	* Oral presentation of the research project proposals	2
Practical classes	Practical sessions	Large group (G)	* Practical sessions using PubMed, introduction to management of bibliography, introduction to ISI Web of Knowledge and consultation of websites of main public bodies funding R&D. Introduction to the elaboration of an R&D Project.	3.5

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Aula Digital platform.

Distance education tasks (1.7 credits, 42.5 hours)

Modality	Name	Description	Hours
Individual self-study	Tasks	* Exercises and critical comments on scientific material	17
Group self-study	Evaluation of a project proposals	* Students have to evaluate the project of the others groups and apply the criteria indicated in the call.	5.5
Group self-study	Preparation of the technical documentation or a call of a research project	* Students have to read a public calls (national and / or international) for research projects and prepare all the documentation needed for this call.	20

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Specific risks and protective measures

The learning activities of this course do not entail specific health or safety risks for the students and therefore no special protective measures are needed.

Student learning assessment

Two pathways (A and B) are proposed. Pathway A is for continuous evaluation and requires the attendance of the student to the classroom activities. The pathway B is for those students who have incompatibility to attend the classroom activities. The final mark of the subject will be the sum of the marks obtained in the assessment activities.

Frau en elements d'avaluació

In accordance with article 33 of Regulation of academic studies, "regardless of the disciplinary procedure that may be followed against the offending student, the demonstrably fraudulent performance of any of the evaluation elements included in the teaching guides of the subjects will lead, at the discretion of the teacher, a undervaluation in the qualification that may involve the qualification of "suspense 0" in the annual evaluation of the subject".

Tasks

Modality	Individual self-study
Technique	Real or simulated task performance tests (retrievable)
Description	*Exercises and critical comments on scientific material
Assessment criteria	Pathway A and B * The exercises proposed will be assessed. * It will be valued that the student delivers the proposed problems or exercises on time and the correction of these exercises * The work must be delivered / completed on the date and at the time established by the lecturer. The different tasks have to be uploaded in the space that will be available in the intranet of the subject. Other ways for delivery of the work will not be considered * Those task not delivered on time will not be considered for evaluation. Retrieve. The student will be offered a re-take, to be held in the extraordinary assessment period set up on the Master's official calendar for this purpose.

Final grade percentage: 40% for pathway A

Final grade percentage: 40% for pathway B

Evaluation of a project proposals

Modality	Group self-study
Technique	Papers and projects (retrievable)
Description	*Students have to evaluate the project of the others groups and apply the criteria indicated in the call.
Assessment criteria	Pathway A Presentation, defence and evaluation of a project proposals.

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* Students have to evaluate the project of the others groups and apply the criteria indicated in the call. In order to carry out this task, the professor will coordinate the different presentations of projects that will be carried out during the sessions that are contemplated in the schedules of the subjects.

Retrieve. The student will be offered a re-take, to be held in the extraordinary assessment period set up on the UIB's official calendar for this purpose.

Pathway B

Presentation, defence and evaluation of a project proposals.

* Students have to prepare a presentation of their research project. A document summarizing the evaluation criteria and a justification of these criteria for their own project should be delivered

Retrieve. The student will be offered a re-take, to be held in the extraordinary assessment period set up on the UIB's official calendar for this purpose.

Final grade percentage: 20% for pathway A

Final grade percentage: 20% for pathway B

Preparation of the technical documentation or a call of a research project

Modality	Group self-study
Technique	Papers and projects (retrievable)
Description	* Students have to read a public calls (national and / or international) for research projects and prepare all the documentation needed for this call.
Assessment criteria	<p>Pathway A</p> <p>Preparation of the technical documentation or a call of a research project.</p> <p>* Students will be enrolled in group of 4-5 students.</p> <p>* Student should read a public calls (national and / or international) for research projects and prepare all the documentation needed for this call.</p> <p>* Work delivered after the deadline will not be considered.</p> <p>Retrieve. The student will be offered a re-take, to be held in the extraordinary assessment period set up on the UIB's official calendar for this purpose.</p> <p>Pathway B</p> <p>Preparation of the technical documentation or a call of a research project</p> <p>* The Student should read a public calls (national and / or international) for research projects and prepare all the documentation needed for this call.</p> <p>* Work delivered after the deadline will not be considered.</p> <p>Retrieve. The student will be offered a re-take, to be held in the extraordinary assessment period set up on the UIB's official calendar for this purpose.</p>

Final grade percentage: 40% for pathway A

Final grade percentage: 40% for pathway B

Resources, bibliography and additional documentation





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Students will be given an up-to-date bibliography of articles and revisions published in quality international journals at the start of the course.

Basic bibliography

Useful web pages

Web del ministerio economía y competitividad, sección i+d+i: <http://www.mineco.gob.es/portal/site/mineco/idi>

Web del ministerio educación: <http://www.educacion.es>

Web del Instituto de Salud Carlos III: <http://www.isciii.es>

Web de la Oficina Española de Patentes y Marcas: <http://www.oepm.es>

Pudmed: <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Isi web of knowledge: <http://apps.isiknowledge.com>

Scopus: <http://www.scopus.com/home.url>

