



Academic year	2017-18
Subject	10274 - Financial Resources for R+D in Food Sciences
Group	Group 1, 1S
Syllabus	E
Language	English

### Subject

<b>Name</b>	10274 - Financial Resources for R+D in Food Sciences
<b>Credits</b>	0.3 in-class (7.5 hours) 1.7 distance (42.5 hours) 2 total (50 hours).
<b>Group</b>	Group 1, 1S (Campus Extens)
<b>Period</b>	First semester
<b>Language</b>	Spanish

### Lecturers

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office
Juana Sánchez Roig <a href="mailto:joana.sanchez@uib.es">joana.sanchez@uib.es</a>	12:00	13:00	Monday	04/09/2017	27/07/2018	Q14. Edifici Mateu Orfila

### Context

#### Professor

Dr. Juana Sánchez Roig, is currently Ramón y Cajal Researcher at the Laboratory of Molecular Biology, Nutrition and Biotechnology, University of the Balearic Islands. For 14 months, during her postdoctoral period, she held a position as a deputy director attached to scientific and technical direction of the Institute Pere Virgili Health Research of Catalonia, which allowed her to acquire experience in the field of research management. She has published more than 50 international articles in prestigious journals such as J Clin Metab Endocrin, Endocrinology, Molecular Nutrition and Food Research, Plos One, Obesity Research, British Journal of Nutrition, Pflügers Archiv European Journal of Physiology, BBA-Molecular Basis of Disease, International Journal of Obesity, the Journal of Nutritional. She participates continuously as a member of the research team on research projects by the Spanish government and the European Union funded and contracts with companies Biochemistry.

#### 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



Academic year	2017-18
Subject	10274 - Financial Resources for R+D in Food Sciences
Group	Group 1, 1S
Syllabus	E
Language	English

### Skills

---

#### Specific

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

#### 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/](http://estudis.uib.cat/master/comp_basiques/)

### Content

---

#### Theme content

##### Section 1. Disseminating the results of research.

###### Session 1. Bibliographical sources and online databases.1

- \* Literature searches. Introduction to PubMed.

###### 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

Academic year	2017-18
Subject	10274 - Financial Resources for R+D in Food Sciences
Group	Group 1, 1S
Syllabus	E
Language	English

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 reseach projects.Elaborating an R&D project. Examples of specific calls.
- \* Introduction to reseach career. Predoctoral grants. Postdoctoral contract

## Teaching methodology

### In-class work activities

Modality	Name	Typ. Grp.	Description	Hours
Theory classes	Theory	Large group (G)	<ul style="list-style-type: none"> <li>* Classes</li> <li>* PowerPoint presentations in lectures</li> <li>* Use of Moodle environment to transmit content and material and as an interactive communication tool.</li> <li>* Bibliographic material (books, scientific articles, databases, etc.).</li> </ul>	2
Practical classes	Practical sessions	Large group (G)	<ul style="list-style-type: none"> <li>* Practical sessions using PubMed, searching protocols and reactives, searching for publishing guidelines in various journals, introduction to management of bibliography, introduction to ISI Web of Knowledge and consultation of websites of main public bodies funding R&amp;D.</li> </ul>	5.5

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 Campus Extens platform.

### Distance education work activities

Modality	Name	Description	Hours
Individual self-study	Exercises	* Solving exercises and critical comments on scientific material handed over by the lecturer.	17
Group self-study	Participation in forums about video-projects	* Visualization and participation in forums about the video-projects made by other classmates	5.5
Group self-study	Preparing video-projects	* Preparing and presenting a video-presentation about a bibliographic research workon an R+D+I topic chosen by students themselves or suggested by the lecturer.	20

Academic year	2017-18
Subject	10274 - Financial Resources for R+D in Food Sciences
Group	Group 1, 1S
Syllabus	E
Language	English

### 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.

#### Pathway A:

1.- Resolution of proposed tasks (problem solving or cases). 40% of the final grade.

- \* The exercises proposed in topics 1, 2 and 3 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 task will 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 1.** 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

2.- Work or Projects (written and / or oral presentation).

2.1. Preparation of a video-presentation (40% of the final grade).

- \* Students will be enrolled in group of 4-5 students. They have to select one of the topics proposed by the teacher, or a specific topic related to the contents of the subject.
- \* The different groups will coordinate through the forum to select the topic and not repeat it.
- \* Each group should create a video-presentation with a maximum duration of 15 minutes. The student can use different free online tools, such as Screencast-O-Matic or Movenote.
- \* The video-presentation will be uploaded in the space that will be available in the intranet of the subject.
- \* Work delivered after the deadline will not be considered.

2.2 Visualization and participation in forums about the video-projects made by other classmates. (20% of the final grade).

- \* Students will have two weeks for the visualization of all the video-projects of their classmates. They can interact through a forum created specifically to solve doubts or ask questions and / or comments.
- \* At the end of the activity, a task will be available in the intranet of the subject in which each student will have to value his / her own classmates - intra-group evaluation - (it will be considered for the final grade). In addition, a representative of each group, and in a consensual way with his/her colleagues, will value the exposures of the rest of groups - inter-group assessment - (will not be considered for the final grade).
- \* Work delivered after the deadline will not be considered / qualified.

**Retrieve 2.1 and 2.2.** 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. The student must make a video-presentation of a topic related to the subject (deadline will be established). In addition, the student must complete an online questionnaire on

Academic year	2017-18
Subject	10274 - Financial Resources for R+D in Food Sciences
Group	Group 1, 1S
Syllabus	E
Language	English

the contents of the video presentations prepared by their classmates. The online questionnaire will be enabled to take place during the time allocated for the exam (according to the Master's schedule).

### *Itinerary B:*

1.- Resolution of proposed tasks (problem solving or cases). 40% of the final grade.

- \* The exercises proposed in topics 1, 2 and 3 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 task will 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 1.** 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

2.- Work or Projects (written and / or oral presentation).

2.1. Preparation of a video-presentation (40% of the final grade).

- \* The student will select one of the topics proposed by the teacher, or a specific topic related to the contents of the subject. The student will coordinate with other classmates the selection of this topic through the forum of the subject to not to repeat the topic with his/her classmates.
- \* The student has to create a video-presentation with a maximum duration of 15 minutes. The student can use different free online tools, such as Screencast-O-Matic or Movenote.
- \* The video-presentation will be uploaded in the space that will be available in the intranet of the subject.
- \* Work delivered after the deadline will not be considered.

2.2 Visualization and participation in forums about the video-projects made by other classmates. (20% of the final grade).

- \* Students will have two weeks for the visualization the all the video-projects of their classmates. They can interact through a forum created specifically to solve doubts or ask questions and / or comments.
- \* At the end of the activity, a task will be available in the intranet of the subject in which each student will have to value his / her own classmates - intra-group evaluation - (it will be considered for the final grade). In addition, a representative of each group, and in a consensual way with his/her colleagues, will value the exposures of the rest of groups - inter-group assessment - (will not be considered for the final grade).
- \* Work delivered after the deadline will not be considered / qualified.

**Retrieve 2.1 and 2.2.** 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. The student must make a video-presentation of a topic related to the subject (deadline will be established). In addition, the student must complete an online questionnaire on the contents of the video presentations prepared by their classmates. The online questionnaire will be enabled to take place during the time allocated for the exam (according to the Master's schedule).

### Exercises

Modality	Individual self-study
Technique	Papers and projects ( <b>retrievable</b> )
Description	*Solving exercises and critical comments on scientific material handed over by the lecturer.
Assessment criteria	
Final grade percentage:	40% for the training plan A
Final grade percentage:	40% for the training plan B

Academic year	2017-18
Subject	10274 - Financial Resources for R+D in Food Sciences
Group	Group 1, 1S
Syllabus	E
Language	English

### Participation in forums about video-projects

---

Modality	Group self-study
Technique	Papers and projects ( <b>retrievable</b> )
Description	*Visualization and participation in forums about the video-projects made by other classmates
Assessment criteria	
Final grade percentage: 20% for the training plan A	
Final grade percentage: 20% for the training plan B	

### Preparing video-projects

---

Modality	Group self-study
Technique	Papers and projects ( <b>retrievable</b> )
Description	*Preparing and presenting a video-presentation about a bibliographic research work on an R+D+I topic chosen by students themselves or suggested by the lecturer.
Assessment criteria	
Final grade percentage: 40% for the training plan A	
Final grade percentage: 40% for the training plan B	

### Resources, bibliography and additional documentation

---

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>

#### Complementary bibliography

---

Useful documents:

Plan Nacional de Investigación Científica y Desarrollo e Innovación Tecnológica 2008-20011

