



## Syllabus

### Subject

<b>Subject / Group</b>	11262 - Training for Work in Experimentation on Animals / 1
<b>Degree</b>	Master's in Nutrigenomics and Personalised Nutrition
<b>Credits</b>	6
<b>Period</b>	Annual
<b>Language of instruction</b>	Spanish

### Professors

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office / Building
Anna Arola Arnal	You need to book a date with the professor in order to attend a tutoring session.					

### Context

The subject aims to teach the students:

- How with humanity, and with dexterity, to manipulate animals for research purposes, using the common techniques in animal research work in an official animal house.
- To apply the national and international bioethics guidelines in the use of animals in research.
- To know the methodologies for experimental research designs using animal models.

Important notes: this subject has very limited vacancies, so the interested students must consult the director of the Master (Dr. Ana M. Rodríguez) before enrolling in this subject. Moreover, the interested students must take into account that this subject requires the students to go to the animal house in the URV (Tarragona-Reus) for 1 week (practical training), so the students have to move to another province for the practical training.

### Requirements

No specific requirements.

### Skills

#### Specific

- \* E9 .

#### Generic

- \* G4, G7, CB10 .



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### 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

This subject is given but specialist of URV and the actualized contents must be consulted in the web of URV.

#### Range of topics

- Theory contents. Theory contents
- Theory contents of the subjects (available on-line).
- Practical training. Practical training
- Practical training in the animal house of URV.

### Teaching methodology

Theory lessons. Assessment activities. Learning for research projects. Case studies. Laboratory practical sessions.

#### In-class work activities (1.5 credits, 37.5 hours)

Modality	Name	Typ. Grp.	Description	Hours
Theory classes	Theory lessons	Large group (G)	Theory lessons.	20
Seminars and workshops	Practical training	Medium group (M)	Practical training.	17.5

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 (4.5 credits, 112.5 hours)

Modality	Name	Description	Hours
Individual self-study	Autonomous work	Study of the theory contents.	112.5

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### Specific risks and protective measures

The practical training will be done in laboratories of the URV and will imply the use of research animals, with of the common risks associated.

### Student learning assessment

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The percentages given here are only illustrative; the lecturers of URV will inform the students about the specific assessment items at the beginning of the course.

### Frau en elements d'avaluació

In accordance with article 33 of Academic regulations, "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".

### Theory lessons

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Modality	Theory classes
Technique	Other methods ( <b>retrievable</b> )
Description	Theory lessons.
Assessment criteria	
Final grade percentage:	50%

### Practical training

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Modality	Seminars and workshops
Technique	Other methods ( <b>retrievable</b> )
Description	Practical training.
Assessment criteria	
Final grade percentage:	30%



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### Autonomous work

Modality	Individual self-study
Technique	Objective tests ( <b>retrievable</b> )
Description	Study of the theory contents.
Assessment criteria	
Final grade percentage:	20%

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### Resources, bibliography and additional documentation

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#### Basic bibliography

The lecturers of URV will give the students the list of recommended bibliography at the beginning of the course.

