

Academic Year/course: 2021/22

## 30808 - Food economy basics

### Syllabus Information

**Academic Year:** 2021/22

**Subject:** 30808 - Food economy basics

**Faculty / School:** 105 - Facultad de Veterinaria

**Degree:** 568 - Degree in Food Science and Technology

**ECTS:** 6.0

**Year:** 1

**Semester:** Second semester

**Subject Type:** Basic Education

**Module:**

### 1. General information

### 2. Learning goals

### 3. Assessment (1st and 2nd call)

### 4. Methodology, learning tasks, syllabus and resources

#### 4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. The learning activities are mainly organised in 43 lectures and interactive sessions, 10 hours of practical activities and 4 hours of seminars. Students give an oral presentation of scientific/technical articles in the seminars.

Case studies solving are organised preferably in classes of 2 hours. First practice sessions is devoted to the search of bibliographical references or information. Besides, students write an abstract of a scientific/technical paper (mentioned above) on subjects related to Food economics. The subjects are proposed by lecturers. In order to carry out the activity, students have to make a search in English bibliographic databases. Therefore, the references used will be in English. Next, students (within a group activity) will give a brief oral presentation based on the previously chosen topic. Besides, there will be a visit to a food company and/ or a workshop with a food company responsible.

Students must follow the regulations described in:

- Prevention: A guide for students at the University of Zaragoza:  
[https://uprl.unizar.es/sites/uprl.unizar.es/files/archivos/Procedimientos/guia\\_preventiva\\_para\\_estudiantes.pdf](https://uprl.unizar.es/sites/uprl.unizar.es/files/archivos/Procedimientos/guia_preventiva_para_estudiantes.pdf)
- Manual de seguridad en los laboratorios de la Universidad de Zaragoza y normas marcadas por la Unidad de Prevención de Riesgos Laborales:

[https://uprl.unizar.es/sites/uprl.unizar.es/files/archivos/Procedimientos/manual\\_de\\_seguridad\\_en\\_los\\_laboratorios\\_de\\_la](https://uprl.unizar.es/sites/uprl.unizar.es/files/archivos/Procedimientos/manual_de_seguridad_en_los_laboratorios_de_la)

<https://uprl.unizar.es/inicio/manual-de-procedimientos>

In addition, students will follow as well any instructions related to biosecurity given by the professor

#### 4.2. Learning tasks

#### The course includes the following learning tasks:

- **Section I. Theoretical basis of Economic Science and Market.**
  - Lecture sessions: *Concepts and methods of the Economic Science*: Key concepts in the definition of Economy. Bioeconomy and circular economy. Sustainable development and the sustainable development goals of United Nations. Supply, Demand and Market: changes in demand, market's demand curve. Supply and production. The market; Core elements and types of market. Price formation and mechanism. *Elasticity and its applications*: Price and total income. Price elasticity of demand. *Demand and consumer behaviour*: Consumer and utility. The value paradox and consumer surplus.
- **Learning activities:**
  - Lecture sessions: 10 hours
  - Private study: 18 hours
- **Section II. Food economics.**
  - Lecture sessions: *The company in a perfect competition market*: Competition: factors and behaviour. The competitive company and the production decision. The Economy and the State: The state's role in Economy. States's functions. The public sector. Market failures. *The agribusiness model and its performance*. *The agrifood chain*: Operators and functions.
- **Learning activities:** Lecture sessions: 6 hours and Private study: 110 hours
- **Section III. Economics of Food business.**
  - Lecture sessions: Business and entrepreneur. Costs and break-even point. Equity, balance sheet and economic and financial structure of food business. Assessment of investments and financial function. Marketing as business function. Consumer behaviour. Variation factors of food consumption. Commercial information and marketing research. Market segmentation. Distribution channels.
  - Practical activities: Cost calculation in food business and break-even point. Financial and economic analysis of food business. Economic assessment of investments. A case study of marketing research.
- **Learning activities:**
  - Lecture sessions: 25 hours
  - Practical activities: Case studies solving: 8 hours
  - Self-assessment questions: 10 hours
  - Private Study: 34 hours.
- **Abstract of a scientific/technical paper selected by searching in bibliographic databases.**
  - Practical classes on search in bibliographic databases: 2 hours.
  - Oral presentation of a scientific/technical paper: 4 hours.
  - Tutorial classroom activities: 1 hour.
  - Private study: 16 hours.
- **Visit to Food Company or Workshop with manager of Food Company.** 3 hours

### 4.3. Syllabus

#### The course will address the following topics:

- **Section I. Theoretical basis of Economic Science and Market.** *Concepts and methods of the Economic Science* : Key concepts in the definition of Economy. Bioeconomy and circular economy. Sustainable development and the sustainable development goals of United Nations. Supply, Demand and Market: changes in demand, market's demand curve. Supply and production. The market; Core elements and types of market. Price formation and mechanism. *Elasticity and its applications*: Price and total income. Price elasticity of demand. *Demand and consumer behaviour*: Consumer and utility. The value paradox and consumer surplus.
- **Section II. Food economics.** *The company in a perfect competition market*: Competition: factors and behaviour. The competitive company and the production decision. The Economy and the State: The state's role in Economy. States's functions. The public sector. Market failures, *The agribusiness model and its performance*. *The agrifood chain*: Operators and functions.
- **Section III. Economics of Food business.** Business and entrepreneur. Costs and break-even point. Equity, balance sheet and economic and financial structure of food business. Assessment of investments and financial function. Marketing as business function. Consumer behaviour. Variation factors of food consumption. Commercial information and marketing research. Market segmentation. Distribution channels.
- **Practical program.** Cost calculation in food business and break-even point. Financial and economic analysis of food business. Economic assessment of investments. A case study of marketing research.

### 4.4. Course planning and calendar

For further details concerning the timetable, classroom and other information of the course please refer to the *Programación de primer curso de CTA* web site (link: <http://veterinaria.unizar.es/gradocta/>). The information will be updated at the beginning of the course.

Classroom activities	HOURS	Non-presential activities	HOURS	TOTAL
Lecture sessions	43			41
Case studies solving	10			10
Abstract of a scientific/technical paper	1	Private study	12	13
		Self-assessment questions	10	10
Oral presentation based on abstract of a scientific/technical paper	4	Private study	4	8
Visit to food company /workshop	3			3
		Private study	62	62
Assessment	3			3
TOTAL	62		88	150

#### 4.5. Bibliography and recommended resources

See spanish version