

COURSE DESCRIPTION

COURSE DETAILS

Title (of the course): **ORGANIC ANIMAL PRODUCTION**

Code: 101497

Degree/Master: **GRADO DE VETERINARIA**

Year: 5

Name of the module to which it belongs: OPTATIVIDAD

Field: OPTATIVA

Character: OPTATIVA

Duration: FIRST TERM

ECTS Credits: 3.0

Classroom hours: 30

Face-to-face classroom percentage: 40.0%

Study hours: 45

Online platform:

LECTURER INFORMATION

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Area: PRODUCCIÓN ANIMAL

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Name: RODRÍGUEZ ESTÉVEZ, VICENTE

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Area: PRODUCCIÓN ANIMAL

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Phone: 957218083

PREREQUISITES AND RECOMMENDATIONS

Prerequisites established in the study plan

None

Recommendations

None specific

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INTENDED LEARNING OUTCOMES

CT1	To solve problems.
CT2	Teamwork.
CT3	Ability to apply knowledge in a practical way.
CT4	Decision making.
CT6	Ability for analysis and synthesis.
CE18	Marketing and management of the veterinary company.
CE29	Veterinary regulation and legislation
CE51	Raw materials for animal nourishment: characteristics, production and conservation.
CE52	Economy of the livestock productive process and commercialisation.
CE53	Sustainable development.
CE55	Animal nutrition and nourishment.
CE57	Animal mono-gastric production: traditional and current systems.
CE58	Animal husbandry of ruminants: traditional and current systems.
CE60	Basis of livestock facilities and environmental health.

OBJECTIVES

To understand Organic Farming as a system based on grazing and rational use of forages by using autochthonous and adapted breeds.

To know the importance of Organic Farming in Spain and the EU under the framework of the Common Agricultural Policy.

To know the legislation that frames the organic livestock production.

To identify opportunities for sustainable development from Organic Farming in Spain.

To know the different farming systems to organically produce animal products.

To aware of the importance of organic farming as a guaranty of quality and food safety, respect for the environment and animal welfare.

To know certification process and marketing problems.

To achieve efficiency in obtaining and disseminating information and results through multidisciplinary groups.

To understanding the role of livestock within agroecosystems and natural protected areas.

CONTENT

1. Theory contents

THEORETICAL CONTENTS

Contents block I. General Introduction

1. Introduction to organic awareness
2. Introduction to Organic Farming
3. Rules of Organic Farming (I): general
4. Rules of Organic Farming (II): specifications

Contents block II. Livestock and environmental protection

5. Animal production and environmental protection
6. Agroecosystems: dehesa



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7. Sustainability: calculating stocking rate

Contents Block III. The practice of Organic Farming

8. native breeds and quality products

9. ethnoveterinary: the traditional livestock knowledge

Contents block IV. The situation of the organic farming sector

10. Organic Farming in the European Common Agricultural Policy.

11. Weaknesses, strengths, threats and opportunities of organic farming

2. Practical contents

PRACTICAL CONTENTS

Assessing the role of organic livestock on grasslands and natural protected areas.

Group visit to a dehesa agroecosystem farm.

Analysis-surveys of actual cases of different organic farms corresponding to the subsectors (the student should try to visit the corresponding farm):

-meat sheep

-dairy sheep

-cattle

-dairy cattle

-meat goat

-dairy goat

-pig

- poultry

-laying hens

METHODOLOGY

Methodological adaptations for part-time students and students with disabilities and special educational needs

Subject will be adapted depending on each student necessity.

Face-to-face activities

Activity	Large group	Small group	Total
Case study	-	2	2
Conference	2	-	2
Excursions	-	5	5
Group presentation	5	-	5
Lectures	8	-	8

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Activity	Large group	Small group	Total
<i>Seminar</i>	-	7	7
<i>Tutorials</i>	-	1	1
Total hours:	15	15	30

Off-site activities

Activity	Total
<i>Analysis</i>	2
<i>Group work</i>	5
<i>Information search</i>	18
<i>Reference search</i>	10
<i>Self-study</i>	10
Total hours	45

WORK MATERIALS FOR STUDENTS

Oral presentations
References

EVALUATION

Intended learnig	Case Studies	Document Analysis	Oral Presentation	Portfolios
<i>CE18</i>	X	X	X	
<i>CE29</i>	X	X	X	
<i>CE51</i>	X	X	X	
<i>CE52</i>	X	X	X	
<i>CE53</i>	X	X	X	
<i>CE55</i>	X	X	X	
<i>CE57</i>	X	X	X	
<i>CE58</i>	X	X	X	
<i>CE60</i>	X	X	X	
<i>CT1</i>	X	X	X	X
<i>CT2</i>	X		X	X

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Intended learnig	Case Studies	Document Analysis	Oral Presentation	Portfolios
CT3	X	X	X	
CT4	X	X	X	
CT6	X	X	X	
Total (100%)	15%	20%	20%	45%
Minimum grade	4	4	4	3

(*)Minimum grade necessary to pass the course

Method of assessment of attendance:

Attendance is the 45% of the final mark.

General clarifications on instruments for evaluation:

In relation to the previous table:

Document Analysis= Oral presentation

Portfolios= Attendance sheets

Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

Subject will be adapted to each student necessity.

Qualifying criteria for obtaining honors:

Student with the best mark in each section.

BIBLIOGRAPHY

1. Basic Bibliography

1. Basic Bibliography:

Look it up online at moodle platform for more references in English..

- Carson, R. 1962. Silent Spring. London.

- FAO. 2015. The second report on the state of the world's Animal Genetic Resources for Food and Agriculture. Rome. <http://www.fao.org/3/a-i4787e.pdf>

- Kirschenmann, F.L. 2010. Cultivating an Ecological Conscience. Berkeley.

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- MAGRAMA. <http://www.magrama.gob.es/es/alimentacion/temas/la-agricultura-ecologica/>

- Mata Moreno, C. et al. 2001. Principios técnicos de Ganadería Ecológica. Comité Andaluz de Agricultura

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Ecológica (CAAE). Sevilla.

- Meadows, D.; Randers, J.; Meadows, D. Limits to Growth: The 30-year update. Vermont.
- Reglamento (CE) Nº 834/2007 del Consejo de 28 de junio de 2007 sobre producción y etiquetado de los productos ecológicos y por el que se deroga el Reglamento (CEE) nº 2092/91.
- Reglamento (CE) 834/2007 del Consejo de 28 de junio de 2007 sobre producción y etiquetado de los productos ecológicos y por el que se deroga en el Reglamento (CEE) 2092/91.
- Reglamento (CE) 889/2008 de la Comisión, por el que se establecen disposiciones de aplicación del R(CE) 834/2007 con respecto a la producción ecológica, su etiquetado y control.
- Reglamento (CE) 1235/2008 de la Comisión por el que se establecen las disposiciones de aplicación del R(CE) 834/2007, en lo que se refiere a las importaciones de productos ecológicos procedentes de terceros países.
- Revista Bovis (nº 110). (2003). Ganadería Ecológica Bovina de Carne. Madrid.
- Revista Ovis (nº 94). (2004). Agrosistemas Ovinos Ecológicos. Madrid.
- Revista Porci (nº 89). (2005). Porcino Ecológico. Madrid.
- Rodero E. y cols (coordinadores) (2007). Patrimonio ganadero andaluz. Ed. Consejería de Agricultura y Pesca de la Junta de Andalucía

2. Further reading

Look it up online at moodle platform for articles in English.

- Acosta Naranjo, R., Díaz Aguilar A.L., Amaya Corchuelo, S. 2001. Memorias de la tierra, campos de la memoria. Los agroecosistemas tradicionales de Tentudía. Volumen 1: Dehesa y tierras calmas.
- Acosta Naranjo, R. 2002. Los entramados de la Diversidad. Antropología social de la Dehesa. Colección raíces.
- Allen, P. 1993. Food for the Future: Conditions and Contradictions of Sustainability. New York: Wiley.
- Altieri, M.A., Nicholis, C.I. 2005. Agroecology and the Search for a Truly Sustainable Agriculture. 1st ed. Mexico D.F., Mexico: United Nations Environmental Programme Environmental Training Network for Latin America and the Caribbean.
- Barrios, J.C., Fuentes, M.T., Ruiz, J.P. 1992. El Saber Ecológico de los Ganaderos de la Sierra de Madrid. Agencia de Medio Ambiente de la Comunidad de Madrid.
- FAO. 2007. The State of the World's Animal Genetic Resources for Food and Agriculture. Ed. Barbara Rischkowsky & Dafydd Pilling. R ORGANIC ANIMAL PRODUCTION 7/7 2016/17 Year
- Fernández Ronquillo, B. 2005. Faenas Camperas. Tradiciones y usos camperos desaparecidos. Al Ándalus Ediciones.
- Gasca Arroyo, A. 1999. Principios de la Gestión Sanitaria en Ganadería Ecológica y Extensiva. Comité Andaluz de Agricultura Ecológica (CAAE). Sevilla.
- Gliessman, S.R. 2007. Agroecology: The Ecology of Sustainable Food Systems. 2nd ed. Boca Raton: CRC Press.
- Lapkin, N. 1998. Agricultura ecológica. Ed. Mundiprensa. Madrid
- Mata Moreno C., Maurer P., Rodríguez Estévez V., Fernández Reyes A. 2004. Recopilación del conocimiento ganadero tradicional de la comarca de la Sierra de Cádiz y su validación para la reconversión e implantación de la Ganadería Ecológica. ASAJA-Córdoba y UCO Producción Animal.
- Rodríguez-Estévez, V., A. García Martínez, J.M., Perea Muñoz, C. Mata Moreno y A.G. Gómez Castro. 2007. Producción de bellota en la dehesa: factores influyentes. Arch. Zootec., 56 (R): 25-43.
- San Miguel Ayanz, A. 1994. La dehesa española. Fundación Conde del Valle de Salazar. Madrid.
- Sañudo, C. 2008. Manual para la comprensión y diferenciación racial de las especies ganaderas. SERVET. Zaragoza.

COURSE DESCRIPTION

COORDINATION CRITERIA

Common evaluation criteria

Joint activities: lectures, seminars, visits ...

Tasks deadlines

SCHEDULE

Period	Case study	Conference	Excursions	Group presentation	Lectures	Seminar	Tutorials
1# Fortnight	0,0	0,0	0,0	0,0	3,0	0,0	0,0
2# Fortnight	0,0	0,0	0,0	0,0	3,0	0,0	0,0
4# Fortnight	2,0	0,0	1,0	0,0	0,0	0,0	1,0
5# Fortnight	0,0	2,0	0,0	0,0	2,0	0,0	0,0
6# Fortnight	0,0	0,0	1,0	2,0	0,0	2,0	0,0
7# Fortnight	0,0	0,0	1,0	2,0	0,0	2,0	0,0
8# Fortnight	0,0	0,0	2,0	1,0	0,0	3,0	0,0
Total hours:	2,0	2,0	5,0	5,0	8,0	7,0	1,0

The methodological strategies and the evaluation system contemplated in this Course Description will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required.

CONTINGENCY PLAN: CASE SCENARIO A

Case scenario A will correspond to a diminished on-site academic activity due to social distancing measures affecting the permitted capacity of classrooms.

METHODOLOGY

General clarifications on the methodology on case scenario A

A multimodal (hybrid) teaching system will be adopted, combining both on-site and remote classes via videoconference (synchronous) that will be held in the timetable approved by the corresponding Faculty or School. The time distribution of teaching activities (both on-site and remote) will be decided by the aforementioned Faculties and Schools bearing in mind the permitted capacity of classrooms and social distancing measures as established at that time.

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EVALUATION

Intended learnig	Case Studies	Document Analysis	Oral Presentation	Portfolios
CE18	X	X	X	
CE29	X	X	X	
CE51	X	X	X	
CE52	X	X	X	
CE53	X	X	X	
CE55	X	X	X	
CE57	X	X	X	
CE58	X	X	X	
CE60	X	X	X	
CT1	X	X	X	X
CT2	X		X	X
CT3	X	X	X	
CT4	X	X	X	
CT6	X	X	X	
Total (100%)	15%	20%	20%	45%
Minimum grade	4	4	4	3

(*)Minimum grade necessary to pass the course

Method of assessment of attendance (Scenario A):

Attendance is the 45% of the final mark.

General clarifications on instruments for evaluation (Scenario A):

In relation to the previous table:

Document Analysis= Oral presentation

Portfolios= Attendance sheets

Final exam: to students without at least a qualification of 4 in each of the parts of the subject. Students that want to obtain a best mark.

COURSE DESCRIPTION

Clarifications on the methodology for part-time students and students with disabilities and special educational needs (Scenario A):

Subject will be adapted to each student necessity.

Qualifying criteria for obtaining honors (Scenario A):

Student with the best mark in each section.

CONTINGENCY PLAN: CASE SCENARIO B

Case scenario B will bring about a suspension of all on-site academic activities as a consequence of health measures.

METHODOLOGY

General clarifications on the methodology on case scenario B

On-site teaching activities will be held via videoconference (synchronous) in the timetable approved by the corresponding Faculty or School. Alternative activities will be proposed for reduced groups in order to guarantee the acquisition of course competences.

COURSE DESCRIPTION

EVALUATION

Intended learnig	Case Studies	Document Analysis	Oral Presentation	Portfolios
CE18	X	X	X	
CE29	X	X	X	
CE51	X	X	X	
CE52	X	X	X	
CE53	X	X	X	
CE55	X	X	X	
CE57	X	X	X	
CE58	X	X	X	
CE60	X	X	X	
CT1	X	X	X	X
CT2	X		X	X
CT3	X	X	X	
CT4	X	X	X	
CT6	X	X	X	
Total (100%)	15%	20%	20%	45%
Minimum grade	4	4	4	3

(*)Minimum grade necessary to pass the course

Moodle Tools	Análisis de documentos	Estudio de casos	Exposición oral	Portafolios
Pruebas simultáneas por videoconferencia			X	
Tarea	X	X		X

Method of assessment of attendance (Scenario B):

Attendance is the 45% of the final mark.

COURSE DESCRIPTION

General clarifications on instruments for evaluation (Scenario B):

In relation to the previous table:

Document Analysis= Oral presentation

Portfolios= Attendance sheets

Final exam: to students without at least a qualification of 4 in each of the parts of the subject. Students that want to obtain a best mark.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs (Scenario B):

Subject will be adapted to each student necessity.

Qualifying criteria for obtaining honors (Scenario B):

Student with the best mark in each section.