

COURSE DESCRIPTION

COURSE DETAILS

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

Code: 101497

Degree/Master: **GRADO DE VETERINARIA**

Year: 5

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

Name: ARCE JIMÉNEZ, CRISTINA (Coordinator)

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Area: PRODUCCIÓN ANIMAL

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Area: PRODUCCIÓN ANIMAL

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PREREQUISITES AND RECOMMENDATIONS

Prerequisites established in the study plan

None

Recommendations

None specified

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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

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 w7. 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



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SUSTAINABLE DEVELOPMENT GOALS RELATED TO THE CONTENT

Good health and well-being
 Quality education
 Gender equality
 Clean water and sanitation
 Affordable and clean energy
 Sustainable cities and communities
 Responsible consumption and production
 Climate action
 Life below water
 Life on land

METHODOLOGY

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

Subject will be adapted to 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
Seminar	-	7	7
Tutorials	-	1	1
Total hours:	15	15	30

Off-site activities

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

COURSE DESCRIPTION**WORK MATERIALS FOR STUDENTS**

Oral presentations

References

EVALUATION

Intended learning	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 mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

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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

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:

Subject will be adapted to each student necessity.

Clarifications on the evaluation of the extraordinary call and extra-ordinary call for completion studies:

Each case will be studied, and the circumstances of the previous calls will be examined so that they have led to having to use the extraordinary call.

Qualifying criteria for obtaining honors:

Student with the best mark in each section will obtain the final best mark= Matrícula de Honor

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. ORGANIC ANIMAL PRODUCTION 6/7 2016/17 Year - 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 Ecológica (CAAE). Sevilla. - Meadows, D.; Randers, J.; Meadows, D. Limits to Growth: The 30-year update. Vermont. - Reglamento (CE) N° 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) n° 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 (n° 110). (2003). Ganadería Ecológica Bovina de Carne. Madrid. - Revista Ovis (n° 94). (2004). Agrosistemas Ovinos Ecológicos. Madrid. - Revista Porci (n° 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

- 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.



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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.

COORDINATION CRITERIA

Common evaluation criteria

Joint activities: lectures, seminars, visits ...

Tasks performance

SCHEDULE

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