

Course guide

390346 - PR - Ruminant Production

Last modified: 03/06/2024

Unit in charge: Barcelona School of Agri-Food and Biosystems Engineering
Teaching unit: 745 - DEAB - Department of Agri-Food Engineering and Biotechnology.

Degree: BACHELOR'S DEGREE IN AGRONOMIC SCIENCE ENGINEERING (Syllabus 2018). (Optional subject).

Academic year: 2024 **ECTS Credits:** 6.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Raúl Fanlo
Others: Gorchs Altarriba, Gil

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

CE-CA-20PA. (ENG) Tecnologías de la producción animal.
Anatomía animal. Fisiología animal. Sistemas de producción, protección y explotación animal. Técnicas de la producción animal.
Genética y mejora animal.

CE-CA-22PA. (ENG) Ingeniería de las explotaciones agropecuarias
Electrificación de explotaciones agropecuarias. Maquinaria agrícola. Sistemas y tecnología del riego. Construcciones agropecuarias.
Instalaciones para la salud y el bienestar animal.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

en

STUDY LOAD

Type	Hours	Percentage
Hours small group	20,0	13.33
Hours large group	40,0	26.67
Self study	90,0	60.00

Total learning time: 150 h

CONTENTS

title english

Description:

content english

Full-or-part-time: 51h

Theory classes: 3h

Practical classes: 16h

Laboratory classes: 2h

Self study : 30h

title english

Description:

content english

Full-or-part-time: 21h

Theory classes: 9h

Self study : 12h

title english

Description:

content english

Full-or-part-time: 21h

Theory classes: 9h

Self study : 12h

title english

Description:

content english

Full-or-part-time: 12h

Theory classes: 6h

Self study : 6h

title english

Description:

content english

Full-or-part-time: 6h

Theory classes: 3h

Self study : 3h



title english

Description:

content english

Full-or-part-time: 39h

Theory classes: 9h

Laboratory classes: 2h

Self study : 28h

ACTIVITIES

name english

Full-or-part-time: 88h

Self study: 50h

Theory classes: 38h

name english

Full-or-part-time: 2h

Theory classes: 2h

name english

Full-or-part-time: 17h

Self study: 15h

Laboratory classes: 2h

name english

Full-or-part-time: 11h

Self study: 10h

Practical classes: 1h

name english

Full-or-part-time: 41h

Theory classes: 1h

Practical classes: 40h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- National Research Council (Estats Units d'Amèrica). Nutrient requirements of beef cattle [on line]. 7th rev. ed. Washington: National Academy, 1996 [Consultation: 15/05/2020]. Available on: <https://www.nap.edu/catalog/9791/nutrient-requirements-of-beef-cattle-seventh-revised-edition-update-2000>. ISBN 0309069343.
- Webster, John. Achieving sustainable production of milk: volume 3: dairy herd management and welfare [on line]. Cambridge: Burleigh Dodds Science Publishing, cop. 2017 [Consultation: 17/11/2022]. Available on: <https://web-s-ebsohost-com.recursos.biblioteca.upc.edu/ehost/ebookviewer/ebook?sid=23a90cf5-bc10-4d75-be57-6ed9345c3e21%40redis&vid=0&format=EB>. ISBN 9781786760524.
- Simões, João; Gutiérrez, Carlos. Sustainable goat production in adverse environments, volume I : Welfare, Health and Breeding [on line]. Cham: Springer, 2017 [Consultation: 22/12/2022]. Available on: <https://ebookcentral-proquest-com.recursos.biblioteca.upc.edu/lib/upcatalunya-ebooks/detail.action?pq-origsite=primo&docID=5219536>. ISBN 9783319718545.
- Webster, John. Achieving sustainable production of milk [on line]. Cambridge: Burleigh Dodds Science Publishing, [2017] [Consultation: 11/02/2025]. Available on: <https://research-ebSCO-com.recursos.biblioteca.upc.edu/c/ik5pvi/search/details/7zcrn34dyz?db=nlebk>. ISBN 9781786760524.
- Greyling, Johan. Achieving sustainable production of sheep [on line]. Cambridge: Burleigh Dodds Science Publishing, [2017] [Consultation: 17/11/2022]. Available on: <https://web-s-ebSCOhost-com.recursos.biblioteca.upc.edu/ehost/ebookviewer/ebook?sid=542630ba-121e-4030-b1b9-68059be7f29d%40redis&vid=0&format=EB>. ISBN 9781786760845.