

COURSE: Organic livestock farming and animal welfare

ACADEMIC YEAR: **2016-2017**

TYPE OF EDUCATIONAL ACTIVITY: Basic

TEACHER: Fabio Napolitano

e-mail: [fabio.napolitano@unibas.it](mailto:fabio.napolitano@unibas.it)

web: <https://scholar.google.it/citations?user=tJlJ6nEAAAAJ&hl=it>

phone: +39 0971 205078

mobile: 3204371189

Language: Italian

ECTS: 6 (5 lessons; 1 seminars, farm and laboratory practice)	n. of hours: (lessons e tutorials/practice) 40 lessons 16 seminars, farm and laboratory practice	Campus: Potenza School: SAFE Program: MSc Food Science and Technology	Semester: II
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#### EDUCATIONAL GOALS

The aim of the course is providing basic knowledge on organic and sustainable animal farming. In addition, the course aims to supply the appropriate information for a reliable evaluation of the impact of farms on the behaviour and welfare of the animals kept for farming purposes.

#### EXPECTED LEARNING OUTCOMES

At the end of the course, the students will be able to apply the main organic farming techniques and perform the assessment of the impact of intensive and extensive farming techniques on animal behavior and welfare. In addition, they will know the main tools needed to monitor the welfare of the animals at farm level. The main positive and negative effects of different farming systems will be also recognized.

#### PRE-REQUIREMENTS

A basic knowledge concerning conventional animal farming techniques is required

#### SYLLABUS

##### Lessons

Students will receive information concerning the European legislation on organic farming and animal welfare. Objectives, principles and techniques of organic farming will be described in details. The attention will be then focussed on the main tools available for the assessment of animal welfare at individual and farm level. Students will receive basic elements for the assessment of the impact of various animal production systems at different levels, including environmental impact and animal welfare.

##### Practices

Seminar, laboratory and farm practice will be conducted in order to acquire knowledge about the main principles concerning organic animal production and the ability to assess the effect of various farming techniques on animal welfare.

#### TEACHING METHODS

Theoretical lessons (40 hours), seminars, laboratory and farm practices (16 hours). During practices, students will simulate all phases of a microbiological analysis of food and at the end of the course they will gain the ability to interpret correctly the results.

#### EVALUATION METHODS

Oral examination, based on the assessment of theoretical knowledges and laboratory practices.

#### TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

TESTI DI RIFERIMENTO E DI APPROFONDIMENTO, MATERIALE DIDATTICO ON-LINE

- P. G. Monetti. 2001. Allevamento dei Bovini e dei Suini. Giraldo Editore, Città di Castello (PG).

- E. Kebreab. 2013. Sustainable Animal Agriculture. CAB International Publishing, UK.

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- F. Napolitano, G. De Rosa, F. Grasso. 2007. Comportamento e benessere degli animali in produzione zootecnica, Aracne Editrice, Roma.
  - Notes and teaching materials concerning aspects not covered by the textbooks.
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#### INTERACTION WITH STUDENTS

At the beginning of the course, objectives, program and methods of evaluation will be described; furthermore, it will be collected the list and data of students attending the course. During the lessons, teaching materials (shared folders) will be provided. Students may contact the teacher anytime by e-mail and WhatsApp for clarifications or to set an appointment in his office at SAFE, IV floor, Viale dell'Ateneo Lucano 10, Potenza.

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#### EXAMINATION SESSIONS (FORECAST)<sup>1</sup>

Whenever requested, a date will be agreed with the students.

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SEMINARS BY EXTERNAL EXPERTS      YES

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#### EXAMINATION BOARD

President: Fabio Napolitano

Component: Corrado Pacelli

Substitute: Ada Braghieri

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<sup>1</sup> Subject to possible changes: check the web site of the Teacher or the Department/School for updates.