

spring & summer COURSES 2012

ceiA3





01

Advanced methodologies for assessing complex farming systems: sustainability and efficiency

PLACE

Livestock Development Laboratory. Department of Animal Production. University of Cordoba, Rabanales Campus.

DIRECTOR

José Manuel Perea Muñoz (pa2pemuj@uco.es)

DATES

From Monday 09/04/12 to Friday 20/04/12

MORE INFO

www.ceia3.es

OBJECTIVES

The main objective is to review and update methodologies for the analysis of agricultural systems. Synthetically, the course focuses on: multivariate techniques to characterize and establish typologies of farming systems, methodological development based on indicators for assessing the sustainability of agro-systems (MESMIS), modeling and analysis of technical and economic efficiency of farming systems, and methodologies to support decision-making process and risk analysis (artificial neural networks, fuzzy regressive systems, logistic regression).

REGISTRATION DEADLINE

From Monday 01/02/12 to Monday 05/03/12. To register, please upload a CV and fill the application form linked [here](#)

AIMED AT

Researchers, PhD Students and professional R & D from companies or institutions linked to farming systems

NOTIFICATION OF ADMITTANCE

12/03/12

APPLICANTS ACCEPTED

25

COURSE TYPE

Classroom

REGISTRATION FEE

€100 (only applicants who have been admitted to the course)

Advanced methodologies for assessing complex farming systems: sustainability and efficiency

Transport Biofuels

Detection and inactivation of human pathogenic bacteria in foods

Trends in water, energy and CO2 accounting: from high resolution field measurements to remote sensing techniques

Industrial Agriculture and Residual Biomass as a Source of Energy and Food and Industrial Products

**02**

Transport Biofuels

PLACE

Aula 106 del edificio C6 y en los laboratorios del Departamento de Ingeniería Química, Ambiental y de los Materiales (edificio A2). Campus Las Lagunillas, Universidad de Jaén, Jaén, Spain

DIRECTOR

Eulogio Castro Galiano (ecastro@ujaen.es)

DATES

16-26 April, 2012

MORE INFO

www.ceia3.es

OBJECTIVES

The aims of the course, therefore, are:

- To contribute to form professionals in the biofuel sector.
- To know the main schemes for biofuel production.
- To get a practical knowledge on the main steps for biofuel production.
- To summarize the main issues affecting biofuels production and use, including technical, economical and environmental concerns.

REGISTRATION DEADLINE

27 February to 14 March, 2012. To register, please upload a CV and fill the application form linked [here](#)

AIMED AT

Degree in Science (or equivalent) i.e., Chemistry, Chemical Engineering, Engineering in general, Environmental Sciences, among others

NOTIFICATION OF ADMITTANCE

20 March, 2012

APPLICANTS ACCEPTED

20

COURSE TYPE

Classroom

REGISTRATION FEE

€100 (only applicants who have been admitted to the course)

Advanced methodologies for assessing complex farming systems: sustainability and efficiency

Transport Biofuels

Detection and inactivation of human pathogenic bacteria in foods

Trends in water, energy and CO2 accounting: from high resolution field measurements to remote sensing techniques

Industrial Agriculture and Residual Biomass as a Source of Energy and Food and Industrial Products

**03**

Detection and inactivation of human pathogenic bacteria in foods

PLACE

Dpto Ciencias de la Salud, Área de Microbiología. (Facultad de Ciencias Experimentales, Edif. B-3), Campus Las Lagunillas. University of Jaen.

DIRECTOR

Rubén Pérez Pulido and M^a José Grande Burgos (agalvez@ujaen.es)

DATES

April 23 to May 4, 2012

MORE INFO

www.ceia3.es

OBJECTIVES

Training in high hydrostatic pressure technology and its application in food processing and preservation. Training in the application of lactic acid bacteria and their bacteriocins in food biopreservation. Training in detection and quantification of microorganisms in foods by real-time quantitative PCR.

REGISTRATION DEADLINE

February 27 to March 16, 2012. To register, please upload a CV and fill the application form linked [here](#)

AIMED AT

Doctorate students in food safety and food processing. Technical personnel from the food industry.

NOTIFICATION OF ADMITTANCE

Before March 22, 2012

APPLICANTS ACCEPTED

15

COURSE TYPE

Classroom

REGISTRATION FEE

€100 (only applicants who have been admitted to the course)

Advanced methodologies for assessing complex farming systems: sustainability and efficiency

Transport Biofuels

Detection and inactivation of human pathogenic bacteria in foods

Trends in water, energy and CO₂ accounting: from high resolution field measurements to remote sensing techniques

Industrial Agriculture and Residual Biomass as a Source of Energy and Food and Industrial Products



04

Trends in water, energy and CO₂ accounting: from high resolution field measurements to remote sensing techniques

PLACE

Edif. Leonardo da Vinci. Campus Rabanales. Universidad de Córdoba, Spain

DIRECTOR

María José Polo Gómez (eherrera@uco.es)

DATES

June, 4th-15th, 2012

MORE INFO

www.ceia3.es

OBJECTIVES

The main objective is to offer the state of the art of knowledge in this field regarding the different sources of surface data, acquisition techniques and assimilation into high definition hydrological models. Thus, the specific objectives are:

- To present and use the main techniques for the measurement of water, energy and CO₂ in the surface of vegetated areas.
- To describe and apply the main models for the computation of flows from remote sensing data.
- To explain and apply data assimilation techniques from different data sources and the correction of scale effects.
- To implement this information in distributed hydrological models in order to analyze water and energy balance in cropped areas.
- To present novel experiences in the transfer of scientific knowledge in this field to technicians and agricultural agents.

REGISTRATION DEADLINE

April, 16th-30th, 2012. To register, please upload a CV and fill the application form linked [here](#)

AIMED AT

Engineering graduates and Master Engineering students

NOTIFICATION OF ADMITTANCE

May, 4th, 2012

APPLICANTS ACCEPTED

20

COURSE TYPE

Classroom

REGISTRATION FEE

€100 (only applicants who have been admitted to the course)



05

Industrial Agriculture and Residual Biomass as a Source of Energy and Food and Industrial Products

PLACE

CIDERTA, La Rábida Campus and El Carmen Campus, University of Huelva, Spain (room to be confirmed).

DIRECTOR

Raúl Tapias Martín (cideu@biblio.uhu.es)

DATES

June 19 to 29, 2012

MORE INFO

www.ceia3.es

OBJECTIVES

This course aims to offer integrated and cutting-edge training in industrial alternatives to traditional agrifood crops and lignocelulosic residues from the agroforestry sector as well as integral, fractional exploitation for new food and non-food products from these crops and residues

REGISTRATION DEADLINE

February 23 to March 16, 2012. To register, please upload a CV and fill the application form linked [here](#)

AIMED AT

Applicants with technical or scientific degrees. Previous courses or professional experience in the topic will be highly valued

NOTIFICATION OF ADMITANCE

Before March 26, 2012

APPLICANTS ACCEPTED

20

COURSE TYPE

Classroom

REGISTRATION FEE

€100 (only applicants who have been admitted to the course)

Advanced methodologies for assessing complex farming systems: sustainability and efficiency

Transport Biofuels

Detection and inactivation of human pathogenic bacteria in foods

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Industrial Agriculture and Residual Biomass as a Source of Energy and Food and Industrial Products