**Advanced methodologies for assessing complex farming systems: sustainability and efficiency**

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

José Manuel Perea Muñoz (pa2pemuj@uco.es)

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

www.ceia3.es

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).

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

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

12/03/12

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Classroom

€100 (only applicants who have been admitted to the course)
Advanced methodologies for assessing complex farming systems: sustainability and efficiency

Transport Biofuels

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

Eulogio Castro Galiano (ecast@ujaen.es)

16-26 April, 2012

www.ceia3.es

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.

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

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

20 March, 2012

20

Classroom

€100 (only applicants who have been admitted to the course)
Detection and inactivation of human pathogenic bacteria in foods


Rubén Pérez Pulido and Mª José Grande Burgos (agalvez@ujaen.es)

April 23 to May 4, 2012

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.

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

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

Before March 22, 2012

15

Classroom

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

April, 16th-30th, 2012. To register, please upload a CV and fill the application form linked here.
Industrial Agriculture and Residual Biomass as a Source of Energy and Food and Industrial Products

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

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

June 19 to 29, 2012

www.ceia3.es

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

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

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

Before March 26, 2012

20

Classroom

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