**COURSE LAYOUT**

1. **GENERAL**

|  |  |
| --- | --- |
| **SCHOOL** | Applied Economics and Social Sciences  |
| **DEPARTMENT** | AGRICULTURAL ECONOMICS AND RURAL DEVELOPMENT  |
| **STUDY LEVEL** | *Undergraduate* |
| **COURSE CODE** | 3702 | **SEMESTER** | 5th  |
| **COURSE TITLE** | FOOD SUPPLY CHAIN |
| **INDEPENDENT TEACHING ACTIVITIES** | **WEEKLY TEACHING HOURS** | **CREDITS/ECTS** |
| Lectures and practical exercises  | 5 (4 theory & 1 exercises) | 5 |
|  |  |  |
|  |  |  |
|  |  |  |
| **COURSE TYPE** | Scientific area  |
| **PREREQUISITES** |  |
| **LANGUAGE** | Greek  |
| **IS THE COURSE OFFERED forERASMUS STUDENTS?** | No |
| **COURSE WEB PAGE** |  |

1. **LEARNING OUTCOMES**

|  |
| --- |
| **Learning Outcomes** |
|  |
| The course deals with issues of food supply-chain planning and operation. Main focus is on the strategic role and the current trends in supply chain management, on the enhancement of customer satisfaction, on the application of quantitative methods for modeling and solving complex management problems, such as policy issues, market structure and international trade, as well as the introduction of novel technologies (e.g. telematics and RFID). Upon completion of the course, students will be able to:* Understand the basic principles, the structure and the core components of food supply chain management with a special emphasis on designing and application.
* Manage modern tools and techniques to plan, operate and audit supply channels, as well as the purchase and storage of food.
* Recognise the parties involved in agri-food supply chains
* Understand and evaluate new technologies (e-logistics) in food SC (telematics, RFID).
* Evaluate the drivers and make strategic decisions concerning outsourcing
 |
| **General Competenses** |
| * Search, analysis and synthesis of data and information with the use of necessary technologies
* Adaptation to new situations
* Decision making
* Work autonomously
* Design and manage projects
* Respect natural environment
* Advance free, creative and causative thinking
 |

1. **COURSE CONTENT**

|  |
| --- |
| 1. Introduction to basic concepts of food supply chains
2. The stakeholders in agri-food supply chains
3. Value chain
4. Policy issues & Market structure, International trade
5. Order management and customer service, distribution channels operations
6. Forecasting future demand/sales and storage/warehouse management
7. Purchase & Storage of food products
8. Location of storage facilities and distribution hubs, Natural product distribution: transport and distribution processes
9. Types of supply chains in different categories of agri-food products
10. Risk management - HACCP
11. Outsourcing in logistics (3PL-4PL)
12. Sustainable Supply Chain
13. Future trends, New technologies in Supply Chain, Logistics information systems
14. Case studies, Special topics
 |

1. **TEACHING and LEARNING METHODS - Evaluation**

|  |  |
| --- | --- |
| **TEACHING METHOD** | In suitably equipped teaching rooms |
| **USE OF INFORMATICS and COMMUNICATION TECHNOLOGIES** | The course is completely computerised in the form of Powerpoint, Web linking, etc.Computer programmes and appilications are taught and distributed to students, for the anlysis of financial information. |
| **TEACHING ORGANISATION** |

|  |  |
| --- | --- |
| *Activity* | *Work Load* |
| Lectures | 52 |
| Exercises focusing in the application of methodologies and case studies with which students are being trained in small groups |  |
| Practical exercises  | 13 |
| Self-directed study | 42 |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| *Course total**(25 hours of student work loadper ECTS)* | *125* |

 |
| **STUDENTS EVALUATION** | The evaluation process is in the language that the course is taught (Greek or English) and consists of:Compulsory written final examination at the end of the semester (weighting factor 55%) which includes:* Open-ended questions
* Problem solving

Evaluation criteria: correctness, completeness, clarity |

1. **BIBILIOGRAPHY**

|  |
| --- |
| *Suggested bibliography:** Taylor, D.A. (2006) “Διαχείριση Εφοδιαστικής Αλυσίδας”, Εκδόσεις Κλειδάριθμος
* Christopher, M. (2007) “Logistics& Διαχείριση Εφοδιαστικής Αλυσίδας”, Εκδόσεις Κριτική
* Aurier, P. & Sirieix, L. (2019). *Μάρκετινγκ Αγροτικών Προϊόντων και Τροφίμων.* Αθήνα Προπομπός.
* Norwood, B. & Lusk, J. (2012). *Μάρκετινγκ και τιμές Αγροτικών Προϊόντων.* Λευκωσία: Broken Hill.
* Καμενίδης, Χ. (2018). *Μάρκετινγκ Αγροτικών Προϊόντων.* Θεσσαλονίκη: Κυριακίδη.
* Μαλινδρέτος, Γ. (2015). *Εφοδιαστική αλυσίδα, logistics και εξυπηρέτηση πελατών.* Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών.

**In English*** Iakovou, E., Bochtis, D., Vlachos, D. & Aidonis, D. (2016). *Supply Chain Management for Sustainable Food Networks.* Hoboken, New Jersey: John Wiley & Sons.
* Information Resources Management Association (2016). *Agri-Food Supply Chain Management.* Hershey, Pennsylvania: IGI Global.

*- Related academic journals:** International Food and Agribusiness Management Review
* Journal of Agribusiness in Developing and Emerging Economies
* Journal of Agriculture, Food Systems, and Community Development
* Sustainability

  |