



Module Specification

Module name: Entrepreneurship

Code: ICT01M1

Programme (Energy/ICT): ICT

ECTS: 6

Type Bachelor/Msc : MSc

Module name: Entrepreneurship

Scope and form: Lecture 2h/week, course work 2h/week

Duration (weeks; Hours/week): 15 weeks

Type of assessment: No formative assessment is foreseen. Summative assessment is based on a coursework (weighting 40%), and written examination (weighting 60%) with a duration 3 hours. A qualifying mark is required for both assessed components. Students must achieve a 60% pass mark in both the coursework and the examination to achieve a pass at this module. If a mark of below 60% is obtained in one or both of these assessments, students must resit the assessed components they have failed.

Qualified Prerequisites: no

General course objectives:

The course will cover entrepreneurship practice and procedures, including the essential knowledge, competencies and reflective skills necessary to support the theoretical learning, giving the students the opportunity to apply newly acquired knowledge and skills within an enterprise or towards starting an own business enterprise.

The general objectives are:

- (1) To introduce students to the general management of a small & medium enterprise (SME), family business, self-employment and management of an own venture
- (2) To introduce students to the characteristics of entrepreneurial positions in an international organisation; entrepreneurial ventures in the public/private sector (e.g. universities and research institutes); and business development consultancies
- (3) To explain the stages of the design thinking process for entrepreneurship
- (4) To understand the various mechanisms for managing Intellectual Property
- (5) To introduce students to Entrepreneurial Finance
- (6) To understand the various mechanisms for planning, managing, monitoring and controlling a technology project in an own venture, also by use of software tools, e.g., Microsoft Project
- (7) To examine various techniques for employing and managing a software development or engineering team



**Project funded by the EU Lifelong Learning Programme
Project Reference No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW**

Topics and short description:

This module considers the whole life cycle of entrepreneurship, from initiation a venture, through to planning, acquiring, scheduling and executing projects and research funds as well as project review and handling Intellectual Property. The principles and processes are contextualised through reference to case studies from a variety of technological settings as well as articles and journal papers, and based on the review and evaluation of relevant best practices. The associated topics of stakeholders, finance, risks, venture administration and quality are discussed in the context of the duties of the entrepreneur. Tools and techniques for venture and finance management are explained and elaborated, to facilitate choosing appropriate techniques and applying them in the professional practice giving stable foundation.

- Project and research fund acquisition
- Stakeholders and contacts management and communication
- Proposals, offers and bids actions
- Responsibilities and attributes of the venture manager
- Project organisation, team and people management
- Project planning, finance management
- Project estimation and budgeting
- Project monitoring and control, risk management
- International entrepreneurship and marketing

Learning outcomes:

On completion of this module, students are expected to be able to:

Knowledge	Skills	Competences
Functional knowledge related to starting and managing new ventures and existing innovative organisations	Apply a range of skills related to entrepreneurship, such as spirit of initiative, creativity, analytical and critical thinking, self-awareness, resilience, flexibility, responsibility, leadership and negotiation, communication, independence, teamwork	Application of risk control and management techniques
Critically analyse and assess entrepreneurial processes in different organisational, national and international contexts as well as branches	Apply tools and techniques to analyse project cost, quality and time objectives	Integration and balance of overall acquisition and communication functions
Initiate and plan proposals,	Create cost effective projects,	Manage stakeholders and



**Project funded by the EU Lifelong Learning Programme
Project Reference No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW**

projects, offers and bids	offers and bid applications	contacts relationships and communication
Identify project cycles and critically conduct an economic analysis of a project based on life cycle costs as well as determine the most profitable project	Evaluate and control venture/ project scope, project cost and schedule	Identification of the venture success factors
Apply an innovative and interdisciplinary approach to entrepreneurship	Effectively contribute to the achievement of project objectives individually and in the group/team	Analysis of political and ethical context that can influence the venture management

Course recommended literature:

Lackeus, M. 2013. Innovative and interdisciplinary approach to management and entrepreneurship. Thesis. CHALMERS UNIVERSITY OF TECHNOLOGY, Gothenburg, Sweden.

Feldman, R. S. 2003. Development across the life span (3rd ed.). New Jersey, USA: Prentice Hall.

Bacher, T. & Schwenk, S. 2013. Collection of best practices on innovative VET methods addressed to increase entrepreneurial and digital competences, Eu-project M-ROAD –Project reference: 527279-LLP-1-2012-1-ES-LEONARDO-LMP

ISO 9000 http://www.iso.org/iso/iso_9000

Remarks:

Special Considerations: Generically none for this module but should be commented on by the institution delivering the module.