

POLITEHNICA University of Bucharest (UPB)
 Faculty of Engineering and Management of Technological Systems (IMST)
 Study Programme: Industrial Engineering (IE)
 Form of study: Licence (Bachelor)

COURSE SPECIFICATION

Course title:	Entrepreneurship and Innovation	Semester:	8
Course code:	UPB.06.D.08.O.001	Credits (ECTS):	6

Course structure	Lecture	Seminar	Laboratory	Project	Total hours
<i>Number of hours per week</i>	4			2	6
<i>Number of hours per semester</i>	56			28	84

Lecturer	Lecture	Seminar / Laboratory / Project
<i>Name, academic degree</i>	Prof. PhD. Eng. Tiberiu DOBRESCU	Prof. PhD. Eng. Tiberiu DOBRESCU
<i>Contact (email, location)</i>	tibidobrescu@yahoo.com , CE 003	tibidobrescu@yahoo.com , CE 003

Course description:
<p>Acquiring knowledge about creation and its exploitation generate wealth and drive economic development. Acquiring knowledge about innovation and entrepreneurship to explore how effective organisations engage in these two strongly integrated processes, exploring product, service and process innovation and demonstrating the role of innovation as a driver of organisational growth and development. Understand innovation as a core business process and how innovation can be managed.</p> <p>Entrepreneurial goals and context, The innovation imperative, Social entrepreneurship and innovation, Globalisation, development and innovation, Individual and organisational characteristics, Sources of innovation, Searching for opportunities, Finding the resources and building the case, Exploiting networks, Developing new products and services, Creating new ventures, Exploiting knowledge and intellectual property, Learning to manage innovation</p>
Seminar / Laboratory / Project description:
<p>Setting and deepening knowledge using examples from a range of sectors to illustrate the implementation innovation strategies and the impact to innovative and entrepreneurial behaviour on economic. Setting and deepening knowledge using written business plan plus a presentation based on the plan. Entrepreneurial goals and context, The innovation imperative, Social entrepreneurship and innovation, Globalisation, development and innovation, Individual and organisational characteristics, Sources of innovation, Searching for opportunities, Finding the resources and building the case, Exploiting networks, Developing new products and services, Creating new ventures, Exploiting knowledge and intellectual property, Write clear business reports, Produce business plans</p>
Intended learning outcomes:
<p>Applying the values and engineer profession ethics, and perform the professional duties in an environment of limited autonomy and qualified support. Promoting the logical reasoning, convergent and divergent, the practical applicability, the evaluation and self-evaluation in decision-making</p> <p>Carrying out activities and develop roles that are specific for team work on different professional</p>

hierarchical levels. Promoting the spirit of initiative, dialogue, co-operation, positive attitude and respect for others, diversity and multiculturalism and continuous activities self-improvement
 Self-evaluation of the need for continuous professional formation for insertion in the labour market, for adaptation to the dynamic requirements of this market and for personal and professional development.
 Efficient use of linguistic skills and ICT knowledge

Assessment method:	% of the final grade	Minimal requirements for award of credits
Written exam	20	10
Report / project	60	30
Homework		
Laboratory		
Other	20	10

References:	
[1] Chesbrough, H., <i>Open innovation</i> , Harvard Business School Press, Boston, Massachusetts, 2002. [2] Stoneman, P., s. a., <i>The Handbook of Economics of Innovation and Technological Change</i> , Blackwell, Oxford, 1995. [3] Fagerberg, J., Mowery, D., Nelson, R., <i>The Oxford Handbook of Innovation</i> , Oxford University Press, Oxford, 2006. [4] DrucKer, P., <i>Innovation and Entrepreneurship</i> , Elsevier, 2007. [5] *** <i>Technology Entrepreneurship Education: Global Faculty Colloquium</i> , Haas School of Business, UC Berkeley, U.S.A., 2007.	
Prerequisites:	Co-requisites (courses to be taken in parallel as a condition for enrolment):
System and Project Management	Microeconomics, Engineering Economics, Leadership Lab, Internship Lab
Additional relevant information:	

Date: 10.07.2016

Professional degree, Surname, Name: Prof. PhD. Eng. Tiberiu DOBRESU