

University POLITEHNICA of Bucharest

Faculty of Industrial Engineering & Robotics

Study programme: Industrial Engineering

Form of study: Bachelor

### COURSE SPECIFICATION

<b>Course title</b>	<b>Entrepreneurship and Innovation</b>	<b>Semester</b>	<b>8</b>
<b>Course code</b>	<b>UPB.06.S.08.O.001</b>	<b>ECTS</b>	<b>6</b>

<b>Course structure</b>	<b>Lecture</b>	<b>Seminar</b>	<b>Laboratory</b>	<b>Project</b>	<b>Total hours</b>
<b>No. of hours/ week</b>	<b>4</b>			<b>2</b>	<b>6</b>
<b>No. of hours/ semester</b>	<b>28</b>			<b>14</b>	<b>42</b>

<b>Lecturer</b>	<b>Lecture</b>	<b>Seminar</b>	<b>Laboratory</b>	<b>Project</b>
<b>Name, academic degree</b>	<b>Florina CHISCOP, Lecturer.Dr.Eng.</b>			<b>Florina CHISCOP, Lecturer.Dr.Eng.</b>
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#### Course description

- Acquiring knowledge that generates 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.
- 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
- Carrying out activities and develop roles that are specific for team work on different professional 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.

**Project description**

- 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 while writing a business plan.

Assessment methods	Percentage of the final grade	Minimal requirements for award of credits
Oral exam	20	• Project attendance is mandatory • At least 20 points for the Project At least 50 points out of a total of 100 points
Written paper	35	
Project	45	

**References**

1. Chesbrough, H., *Open innovation*, Harvard Business School Press, Boston, Massachusetts, 2002.
2. Drucker, P., *Innovation and Entrepreneurship*, Elsevier, 2007.
3. [5] \*\*\* *Technology Entrepreneurship Education: Global Faculty Colloquium*, Haas School of Business, UC Berkeley, U.S.A., 2007.
4. POCU/82/3/7/ID 105944 - Creșterea ocupării prin susținerea și dezvoltarea antreprenoriatului inovativ în regiunea Sud – Muntenia", 2018.

Prerequisites	Co-requisites (courses to be taken in parallel as a condition for enrolment)
Integrated Production Systems	

**Additional relevant information:****Date: 24.05.2022**