



Syllabus for course “Innovation systems”

Learning outcomes	<p>After completing this course, the students should :</p> <ol style="list-style-type: none"> 1. understand the importance of innovation for socioeconomical development 2. be aware of key factors and indicators defining the innovation environment 3. have insight on national innovation policy and improvement needed in order to improve the national innovation environment 4. understand different types of IPR and skills to manage IPR 5. be familiar with different types of commercialization of research and business ideas 6. be able to find suitable professional support in entrepreneurship and business development 	
Syllabus	1	<p>Importance of innovation for socioeconomic development</p> <ul style="list-style-type: none"> - economical theories on innovation-driven economical growth - globalization and knowledge-based digital economy - challenges of modern societies and the need for innovation
	2	<p>Innovation indicators and international innovation ranking</p> <ul style="list-style-type: none"> - key factors influencing innovation performances - innovation indicators used by WIPO, EIS and others - international ranking and good practices
	3	<p>National innovation strategy and policy</p> <ul style="list-style-type: none"> - business-friendly environment - rule by law and good governance - innovation-friendly regulations and taxation - ICT investment and infrastructure - financial support to innovators and entrepreneurs - government-university-business partnership for innovation
	4	<p>Human capital and intellectual property rights</p> <ul style="list-style-type: none"> - Importance of IPR for economic growth - Types of IP: patents, copyrights, industrial designs, trademarks, etc - IPR analysis and strategy
	5	<p>Innovation process and management</p>
	6	<p>Professional support in innovation and entrepreneurship</p> <ul style="list-style-type: none"> - science (technology) parks, innovation clusters and local ecosystems - incubators and accelerators - innovation for regional development
	7	<p>Innovation and entrepreneurship in higher education</p> <ul style="list-style-type: none"> - curricular development focusing on innovation competences - courses on innovation and entrepreneurship - commercialization of research results: technology transfer, licensing, spin-offs, startups - the role of university innovation offices. student entrepreneurship activities
	<p>Project work including report-writing and seminars</p>	
	1	<p>Analyze the innovation environment in one specific country and identify problem areas in need of improvement</p>
	2	<p>Case study of a particular startup company (or entrepreneur) and identify the key factors behind the success (or failure) of the company (or entrepreneur)</p>
Course literature	<p>Bessant and Tidd (2015). Innovation and entrepreneurship. John Wiley & Sons; 3rd edition (2015). Peter Drucker (2015). Innovation and entrepreneurship. HarperCollins (2015). Daria Tataj (2015). Innovation and entrepreneurship, a growth model for Europe beyond the crisis. Tataj Innovation Daria Golebiowska-Tataj (Sept. 2015) Carayannis, Samara and Bakouros (2014). Innovation and entrepreneurship - Theory, Policy and Practice (Innovation, Technology, and Knowledge Management). Springer (Nov. 2014)</p>	