1. Course (module) name	2. Code
Innovation Management and Creativity	

3. Lecturer (s)	4. Division(s)

5. Cycle of studies	6. Course (module) level	7. Course (module) type
First	Course is not divided into parts	Elective

8. Delivery form	9. Delivery period	10. Delivery language (s)	
Full-time	Semester 5	English	

11. Requirements for students		
Preliminary requirements:	Associated requirements (if any):	
-	-	

12. Scope of course (module) in ECTS credits	13. Full workload of a student (hours)	14. Contact work hours	15. Independent work hours	
6	140	40	120	

16. Course (module) purpose: competences developer by the course programme

The purpose of the course is to introduce students to the innovation, creativity and technology concepts, technology management and technological innovation concepts and theories, to provide students with theoretical knowledge and practical skills, necessary to understand and apply innovation strategies and management models and methods, to understand technology commercialization process and its importance to innovative economy and entrepreneurship.

achievement			
Results (targets) of the	Results of the course	Results of the course Methods of studies	
course			academic achievements
Students have to gain the	Students will understand	Lectures, analysis of	Written exam.
ability to identify	technological development	literature, active learning	
problems independently,	theories and the main concepts,	methods (discussions,	
observe new	will gain knowledge about	brainstorms, etc.)	
opportunities and develop	technological innovation and		
new products and	technology development trends.		
services that provide	Students will be able to	Lectures, analysis of	Evaluation of individual
added value to the	understand technological	literature, active learning	assignments, written exam.
aviation sector.	innovation strategies and	methods (discussions,	
	management processes,	brainstorms, etc.),	
	understand their impact on state	individual assignments,	
	economy and growth.	presentations.	
	Students will be able to apply	Analysis of information,	Evaluation of group project.
	technological innovation	active learning methods	
	management and	(discussions, brainstorms,	
	commercialization models and	etc.), team work, group	
	methods and make informed	project.	
	decisions while working in		
	different business sectors.		

18. Course con	tent								
	Contact work hours and learning method Time of independent stu and tasks								
Topics	Lectu res	Cons ultati ons	Semi nars	Exerc ises	Labor atory work	Practi ce	All conta ct work	Inde pende nt work	Tasks
1. Technology, innovation and creativity: analysis of the main concepts	2	-	4	-	-	-	6	20	Literature analysis, additional information analysis, preparation for discussions, analysis of individual and group assignments.
2. Technology transfer: science and business cooperation	3	-	4	-	-	-	6	20	Literature analysis, additional information analysis, preparation for discussions, work on individual and group assignments.
3. Understanding technological innovation in business	2	-	4	-	-	-	4	10	Literature analysis, additional information analysis, preparation for discussions, work on individual and group assignments.
4. Innovation strategies and trends	3	-	4	-	-	-	7	20	Literature analysis, additional information analysis, preparation for discussions, work on individual and group
5. Innovation management: models and methods	2	-	2	-	-	-	6	20	assignments. Literature analysis, additional information analysis, preparation for discussions, work on individual and group assignments.
6. Technological product development	2	-	4	-	-	-	6	20	Literature analysis, additional information analysis, preparation for discussions, work on individual and group assignments.
7. Overview of innovation and knowledge economy	2	-	2	-	-	-	5	10	Literature analysis, additional information analysis, preparation for discussions, work on individual and group assignments.
Total	16	-	14	-	-	-	40	100	

19. Strategy and criteria of	19. Strategy and criteria of student assessment					
Assessment method	Per cent	Delivery time	Evaluation criteria			
Group project	25	Semester	 Relevance of the group project topic, understanding of the topic and ability to analyse and understand technological innovation strategies and management processes, ability to demonstrate comprehensive knowledge, extensive and appropriate bibliography list, originality, creativity and communication skills. 10-9: Excellent knowledge and skills. 8-7: Good knowledge and skills. 6-5: Average knowledge and skills. 4-0: Minimal requirements are not fulfilled. 			
Individual assignment	20	Semester	 Comprehensive understanding of the topic, ability to identify and analyse problems and explain them to colleagues, ability to find and use additional information sources, clear and logical presentation, communication skills. 10-9: Excellent knowledge and skills. 8-7: Good knowledge and skills. 6-5: Average knowledge and skills. 4-0: Minimal requirements are not fulfilled. 			
Exam	55	Exam Session	 Ability to demonstrate knowledge and comprehensive understanding of the question. 10-9: Excellent knowledge and skills. 8-7: Good knowledge and skills. 6-5: Average knowledge and skills. 4-0: Minimal requirements are not fulfilled. 			

20. Sou	rces of study, literature*
Manda	tory sources of study, literature
1.	Shilling M. A. Strategic management of technological innovation. Boston: McGraw Hill, 2005.
2.	Strategy, Innovation and Change: Challenges for Management. Galavan R, Murray J., Markide C (eds.). Oxford;
	New York: Oxford University Press, 2008.
3.	O'Sullivan D, Dooley L. Applying innovation. Thousand Oaks; London: SAGE Publications, 2009.
4.	Rasmussen E., Moen Ø., Gulbrandsen M. Initiatives to promote commercialization of university knowledge, in
	Technovation, Vol. 26, Issue 4, April 2006, p. 518-533.
5.	Lee J., Win H. N. Technology transfer between university research centers and industry in Singapore, in
	Technovation, Vol. 24, Issue 5, May 2004, p. 433-442.
Additio	nal sources of study, literature
1.	The Innovation Handbook. Jolly A. (ed.). London; Philadelphia: Kogan Page, 2008.
2.	Bessant J., Tidd J. Innovation and Entrepreneurship. Chichester: John Wiley, 2007.
3.	Innis R. E. The Meanings of Technology, in Techné: Research in Philosophy and Technology, Volume 7:1, Fall
	2003, p. 91-110. http://scholar.lib.vt.edu/ejournals/SPT/v7n1/pdf/innis.pdf
4.	Fernandes A. S.C., Melo Mendes P. Technology as Culture and Embodied Knowledge, in European Journal of
	Engineering Education, Vol. 28, Issue 2, June 2003, p. p. 151 – 160.
5.	Bozeman B. Technology transfer and public policy: a review of research and theory, in Research Policy, Vol. 29,
	Issue 4-5, April 2000, p. 627-655.
6.	Debackere K., Veugelers R. The role of academic technology transfer organizations in improving industry science
	links, in Research Policy, Vol. 34, Issue 3, April 2005, p. 321-342.
7.	Christensen C. M. Exploring the limits of the technology S-curve. Part I: Component technologies, in Production
	and Operations Management, 1(4), 1992, p. p. 334-357.
8.	Etzkowitz H., Webster A., Gebhardt C., Cantisano Terra B. R. The future of the university and the university of the
	future: evolution of ivory tower to entrepreneurial paradigm, in Research Policy, Volume 29, Issue 2, February

2000, p. 313-330.

*List of sources and literature is subject to change and updates during the course.