

COURSE DESCRIPTION CARD

NOTE: If the course includes lectures and classes, the Course Description Card applies to both types of instruction.

1. Course title:
R&D and Innovation Management

2. Course code:
Number of ECTS credits: 4
Course completion mode: E
Course commenced / Year 3

3. Major: International Business

4. Department of major coordinator: Department of Consumption Research

5. Name of course instructor
Classes: Bartłomiej Gabryś, Ph.D.
Examiner: Bartłomiej Gabryś, Ph.D.

6. Department of course instructor: Department of Entrepreneurship

7. Number of contact hours with students:

Type of instruction	Full-time study	Part-time study
lectures		
classes	28	
foreign language classes		
lab classes		
seminars		
e-learning		
other		
Total hours	28	
examination (hours)	1	

8. Course timeframe - no. of semesters: 1

Course commencement / Year 2

Course commencement / Semester 3

9. Level of tertiary education: Master

10. Course status
 Elective

11. Course prerequisites

Compulsory:

Recommended:

12. Course objectives:

To familiarize students with the specifics of innovation management and R&D processes in contemporary organizations, and with methods and techniques of managing these processes leading to high efficiency.

After completing the course Students should be able to:

1. understand the specifics of management innovation and research and development as a special resource of the organization,
2. assessment and measure innovation management processes in many dimensions and planes,
3. skilfully apply in practice the tools and techniques for innovation and R&D process management leading to high efficiency.

The course will also contribute to student's general competence, in particular:

1. ability to conduct effective discussion
2. ability to creatively solve problems
3. leadership competences
4. analytical, synthetic, logical thinking and conclusions
5. competence in adapting to unknown tasks.

13. Teaching and learning methods:

A. Direct student-instructor contact:

No.	Teaching methods	Description	Number of hours	
			Full-time study	Part-time study
2.	Active classes with case study analyses	Case studies aim at verifying students' knowledge and motivate them for unassisted problem solving.	20	
3.	Lecture with multimedia	Blocks of theoretical knowledge, definitions and terminology delivered in a form of multimedia-assisted presentation. Moderated discussion.	10	
Total			AS:30	AN:

B. Self-study:

No.	Learning methods	Description	Number of hours	
			Full-time study	Part-time study
2.	Cause-effect studies with literature	Literature studying.	40	
3.	Case study	Group work - case studies aim at verifying students' knowledge and motivate them for unassisted problem solving.	30	
Total			BS:70	BN:

Total AS+BS = 100

Examination (E) = 1

Total AS+BS+E= 101

Total AN+BN =

Examination (E) =.....

Total AN+BN+E =

14. Key words: innovativeness, creativity, organizational development

15. Course content:

1. R&D (research and development) departments in contemporary organizations
2. Creativity and creative sectors of the economy
3. Creativity and innovation at the individual and team level
4. Hyperinnovativeness - strategy, culture, organization, projects and tools
5. Innovation imperative and entrepreneurship
6. Creation and use of knowledge and intellectual property
7. Innovation, globalization and development
8. Innovation in the processes of growth and development of the organization

16. Course learning outcomes as related to the learning outcomes of the major and methods for assessing student attainment

Intended learning outcomes of the major / Symbols	Intended learning outcomes of the course	Methods for assessing student learning outcomes	Documentation
<u>Knowledge</u>			
IB1_K02#	Student has knowledge on international institutions protecting intellectual property	Case study analysis with presentation	Multimedia file, written report
IB1_K03#	Student has advanced knowledge on selected paradigms and approaches to innovations management, R&D processes and general knowledge on relations of these paradigms with other theories in management science and other sciences	Case study analysis with presentation	Multimedia file, written report
IB1_K07#	Student has advanced knowledge on entities using management science and practice in search for individual and organizational creativity processes' efficiency.	Case study analysis with presentation	Multimedia file, written report
<u>Skills</u>			
IB1_S02#	Student is able to use theoretical knowledge in the field of innovation management, individual and organizational creativity as well as R&D processes to interpret and analyze the situation of entities operating on domestic and international markets, Is also able to formulate own opinions and critically select data and methods of analysis.	Case study analysis with presentation	Multimedia file, written report
IB1_S03#	Student is able to identify the causes and course of processes and phenomena occurring in R&D processes. Is able to carry out a multidimensional analysis of conditions, changes and effects of creativity and innovation processes. Has the ability to form own opinions on this subject, formulate research hypotheses and verify them.	Case study analysis with presentation	Multimedia file, written report
<u>Social competences</u>			
IB1_C01#	Student develops capability to conduct effective discussion, ability to creatively solve problems, leadership competences, analytical, synthetic, logical thinking and concluding skills and competence in adapting to unknown tasks.	Case study analysis with presentation and discussion	Multimedia file, written report

17. Method for determining the final course grade:

No.	Methods for awarding credits and course completion requirements	Description	Percentage of the final course grade*
1.	Case study	Students in teams analyze case study on innovations and R&D management.	80
2.	Presentation	Students in teams present results of their work over case study.	20

* If students are required to obtain both a class grade and an exam grade, the class grade constitutes at least 30% of the final course grade.

18. Reading list

Mandatory readings:

1. Ch.Bilton,: Management and creativity. Wyd. Blackwell,, Oxford, 2007.
2. J.Bessant, J.Tidd, : Innovation and entrepreneurship. Wyd. Wiley, Chichester, 2007.

Suggested readings:

1. Ch.Harris: Hyperinnovation. Wyd. Palgrave, Houndmills , 2002.
2. C.Barrow, G.Burke, D.Molian i R.Brown: Enterprise development. Wyd. Thomson, London, 2005.

19. Language of instruction: English**20. Course instructors' recommendations:**