

9. Innovations and Technology in Logistics

1. Module Title	Innovations and Technology in Logistics	2. Module Code	
3. Academic Year, Semester, Module Status	2021-2022 Spring semester, Full-time		
4. Aims and Learning Outcomes	<p>The outcomes to be achieved by the students the end of this course are:</p> <ul style="list-style-type: none"> • Understanding innovations in logistics; • Understanding broad context of innovations in logistics; • Be able to make decisions concerning innovations in logistics and supply chain 		
Knowledge	Effect Code		Assessment
	Subject	Field	
1. Knows how to create and develop individual entrepreneurship		K_W03	Group work Final project
Skills	Effect Code		Assessment
	Subject	Field	
1. Is capable to introduce theoretical knowledge in areas of logistics and supply chain		K_U01	Final project
2. Is able to apply basic knowledge to cooperate with other functional areas		K_U02	Final project
3. Can develop a project aimed at increasing the efficiency of the supply chain		K_U12	Group work
4. Can use the appropriate terminology and norms for creating an innovative project		K_U18	Final project
Social Competencies	Effect Code		Assessment
	Subject	Field	
1. Has interpersonal skills, will work with others and effectively utilize those skills in the teamwork		K_K10	Final project Group work
2. Has the competence to negotiate to achieve common goals		K_K09	Final project Group work
5. Module Coordinator	Name		E-mail
	prof. Aleksandra Laskowska-Rutkowska		a.laskowska@lazariski.edu.pl
6. Lecturer	Name		E-mail
	prof. Aleksandra Laskowska-Rutkowska		a.laskowska@lazariski.edu.pl

7. Module Level	Masters	Bachelors
		x
8. Year and Programme	Year	Programme
	3	BA in Management
9. Module Content		
#	Topics Discussed	Hours
Seminar		
1	Introduction to the course; Design thinking	2,5 h each topic 30 h together
2	Creativity and innovations	
3	Innovative technologies	
4	Go to market analysis	
5	Innovations in logistics and supply chain	
6	Innovations types and diffusion in logistics and supply chain	
7	European Union and national policy in support of innovations	
8	Digital supply chains	
9	Eco – innovations: Green supply chains	
10	Supply chains of the future	
11	Final project presentation	
12	Final projects presentation	
<p>The primary goal of this seminar is to impart the knowledge to allow students to intelligently solve practical business problems and to apply creative concepts to real logistic problems.</p>		
10. Individual Student's Work		
#	Description	Hours
	Preparation for workshops	15
	Preparation for class discussion	15
	Preparation for final project	50
11. Assessment Methods	Coursework (100%): In-class assignments (50%), Group final project and presentation (50%)	
12. Assessment Criteria	<p>In order to pass the course student should score at least grade 3.0 (50%) as the total grade for semester.</p> <p>Scoring translates into grades as follows:</p> <p>50 - 59 points - grade 3 60 - 69 points - grade 3.5 70 - 79 points - grade 4 80 - 89 points - grade 4.5 90 - 98 points - grade 5 98-100 points - grade 5.5</p> <p>In the case of exceptional student achievements, the lecturer can award a 5.5 mark with fewer points.</p>	
13. ECTS Credits	5	

		Hours	ECTS
	Contact Hours		
	Lecture	30	1,2
	Consultation	15	0,6
	Other Kind of Student's Activity		
	Individual Student's Work	80	3,2
	SUMM	125	5
14. Required Readings	<ol style="list-style-type: none"> 1. Disruptive technologies, M&C institute, May 2013. 2. Future supply chains, Cap Gemini 2008. 		
15. Recommended Readings	<ol style="list-style-type: none"> 1. Laskowska-Rutkowska A. , Innovation diffusion in the supply chain, Research in Logistics and Production. Special Issue, 2015 Vol. 5, No 3., s. 287-297 2. Laskowska-Rutkowska A., <i>Effectiveness of Polish innovation policy in services area</i>, [w:] Scientific Journal of Service Management, Vol.8, nr 681, Szczecin 2012, s. 9 – 21. 		
16. Place where module is run	LU campus		
17. Other			