

COURSE DESCRIPTION CARD

Bialystok University of Technology Faculty of Engineering Management									
Field of study	Management							Degree level and programme type	first degree/second degree
Specialization/ diploma path	-							Study profile	-
Course name	Benchmarking for competitive advantage							Course code	IS-FM-00092S
								Course type	elective
Forms and number of hours of educational activities	L	C	LC	P	SW	FW	S	Semester	summer
		30						No. of ECTS credits	5
Entry requirements	-								
Course objectives	<p>Presentation of the idea of benchmarking, its classification and application; overview of benchmarking methodologies, best practices of its implementation, barriers in benchmarking usage and common mistakes in benchmarking; presentation of benchmarking tools, instructions on how to use benchmarking for competitive advantage; students learn to conduct benchmarking projects with the special focus on process benchmarking; mapping of processes in Adonis software; students develop skills connected with team work;</p>								
Course content	<ol style="list-style-type: none"> 1. Benchmarking idea and areas of application 2. Benchmarking classifications 3. Benchmarking methodologies 4. Best practices, benchmarking code of conduct, barriers and common mistakes in benchmarking 5. Benchmarking tools 6. Application of benchmarking 7. Benchmarking in productivity analysis 8. Mapping of processes in Adonis software 9. Development of a benchmarking project 								
Teaching methods	presentation, discussion, classes, project								
Assessment method	Evaluation of active participation in the class, report from the project								
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study	
L01	student: defines terms connected with benchmarking and is able to elaborate on its essence							-	
L02	knows benchmarking classifications and is able to decide on the right type of benchmarking according to the situation							-	
L03	is able to run a benchmarking project according to the methodology and benchmarking code of conduct							-	

L04	plans his or hers work and understands and interprets results	-
L05	prepares a project and a presentation of its results	
Symbol of learning outcome	Methods of assessing the learning outcome	Type of teaching activities (if more than one) during which the outcome is assessed
L01	discussion, realisation of tasks, test	C
L02	discussion, realisation of tasks, preparation of the report, test	C
L03	realisation of the project	C
L04	realisation of the project	C
L05	realisation of the project	C
Student workload (in hours)		No. of hours
Calculation	participation in classes	30
	preparation for classes, laboratory classes, projects, seminars, etc.	30
	working on projects, reports, etc.	30
	participation in student-teacher sessions related to the classes	5
	implementation of project tasks	30
	TOTAL:	125
Quantitative indicators		HOURS
Student workload – activities that require direct teacher participation		35
Student workload – practical activities Student workload – practical activities:		120
Basic references	<ol style="list-style-type: none"> 1. T. Stapenhurst, The benchmarking book, Routledge, 2009. 2. R. Rostamzadeh, O. Akbarian, A. Banaitis, Z. Soltani, Application of DEA in benchmarking: A Systematic literature review from 2003–2020, Technological and Economic Development of Economy, 2021 Volume 27 Issue 1: 175–222 3. Amaral P., Sousa R., Barriers to internal benchmarking initiatives an empirical investigation, "Benchmarking: An International Journal", Vol. 16, No. 4, 2009, pp. 523-542. 4. Anand G., Kodali R., Benchmarking the benchmarking models, "Benchmarking: An International Journal", 2008, Vol. 15, No. 3, pp. 257-291 5. Nazarko J., Kuźmicz K., Szubzda E., Urban J., Benchmarking and its application in higher education in Europe, „Higher Education in Europe”, 2009, Vol. 34, Nos. 3-4, pp. 497-510. 	
Supplementary references	<ol style="list-style-type: none"> 1. Alstete J.W., Measurement benchmarks or „real” benchmarking? An examination of current perspectives, "Benchmarking: An International Journal", 2008, Vol. 15, No. 2, pp. 178-186. 2. Lai M., Wang W., Huang H., Kao M., Linking the benchmarking tool to a knowledge-based system for performance improvement, „Expert Systems with Applications”, 2011, Vol. 38, No. 8, pp. 10579-10586. 	

	3. Zairi M., Al.-Mashari M., The role of benchmarking in best practice management and knowledge sharing, „Journal of Computer Information Systems”, 2005, pp. 14-31.	
Organisational unit conducting the course	International Department of Logistics and Service Science	Date of issuing the programme
Author of the programme	Katarzyna Anna Kuźmicz, PhD	21.02.2022

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar