

Lublin University of Technology Doctoral School – LUBLIN UNIVERSITY OF TECHNOLOGY PL LUBLIN03

Modern solutions in engineering and technology

FACULTY: Lublin University of Technology Doctoral School	CLASS TYPE: Monographic Lecture
NUMBER OF HOURS: 5	ECTS: NO POINTS
SEMESTER: WINTER/SUMMER	CLASS LEVEL: 2nd and 3rd year of education in Lublin University of Technology Doctoral School
MINIMAL NUMBER OF STUDENTS: 1* should the number be smaller, the course may not be opened	
LANGUAGE OF INSTRUCTION: english	
PRELIMINARY REQUIREMENTS: no additional requirements	
CONTENTS: lectures concern the approach of sustainable development in engineering and technology	
EFFECTS OF EDUCATION PROCESS: doctoral student acquires general knowledge in the field of engineering and technical sciences which enables a revision of the existing paradigms, and which specifically encompasses current trends, basic dilemmas as well as national and international scientific achievements	
LITERATURE (OPTIONAL):-	
TEACHING METHODS: lecture conducted online (MsTeams) or stationary; multimedial lecture	
ASSESSMENT METHODS: discussion/activity during the lecture/preparation of written work	
TEACHER (NAME, EMAIL CONTACT): -	

Lublin University of Technology Doctoral School – LUBLIN UNIVERSITY OF TECHNOLOGY PL LUBLIN03

Problems of science in the field of engineering and technical sciences

FACULTY: Lublin University of Technology Doctoral School	CLASS TYPE: Monographic Lecture
NUMBER OF HOURS: 5	ECTS: NO POINTS
SEMESTER: WINTER/SUMMER	CLASS LEVEL: 2nd and 3rd year of education in Lublin University of Technology Doctoral School
MINIMAL NUMBER OF STUDENTS: 1 * should the number be smaller, the course may not be opened	
LANGUAGE OF INSTRUCTION: english	
PRELIMINARY REQUIREMENTS: no additional requirements	
CONTENTS: The main goal of this lecture is to describe and analyze problems and challenges facing engineering and technical sciences. The biggest problems that researchers and academic staff encounter in the field of engineering and technical sciences would be presented and ways how we can solve them.	
EFFECTS OF EDUCATION PROCESS: has advanced detailed knowledge in the field of statistical analysis of research results, has advanced knowledge of the methodology of conducting scientific research in the field of engineering and technical sciences with the use of modern computational tools, has advanced knowledge of legal, organizational and institutional issues as well as knowledge of financial conditions of how the scientific research system works at the national and international level	
LITERATURE (OPTIONAL):	
TEACHING METHODS: lecture conducted online (MsTeams) or stationary; multimedial lecture	
ASSESSMENT METHODS: discussion/activity during the lecture/ preparation of written work	
TEACHER (NAME, EMAIL CONTACT): -	

Lublin University of Technology Doctoral School – LUBLIN UNIVERSITY OF TECHNOLOGY PL LUBLIN03

Novel research in sciences

FACULTY: Lublin University of Technology Doctoral School	CLASS TYPE: Monographic Lecture
NUMBER OF HOURS: 5	ECTS: NO POINTS
SEMESTER: WINTER/SUMMER	CLASS LEVEL: 2nd and 3rd year of education in Lublin University of Technology Doctoral School
MINIMAL NUMBER OF STUDENTS: 1* should the number be smaller, the course may not be opened	
LANGUAGE OF INSTRUCTION: english	
PRELIMINARY REQUIREMENTS: no additional requirements	
CONTENTS: The monographic lecture is devoted to the review of innovative scientific research in the field of engineering and technical sciences.	
EFFECTS OF EDUCATION PROCESS: has knowledge of didactics and university teaching methods, taking into account modern teaching techniques	
LITERATURE (OPTIONAL):-	
TEACHING METHODS: lecture conducted online (MsTeams) or stationary; multimedial lecture	
ASSESSMENT METHODS: discussion/activity during the lecture/preparation of written work	
TEACHER (NAME, EMAIL CONTACT): -	



LUBLIN UNIVERSITY
OF TECHNOLOGY
LUT DOCTORAL SCHOOL



Lublin University of Technology Doctoral School – LUBLIN UNIVERSITY OF TECHNOLOGY PL LUBLIN03

Current trends in the development of science

FACULTY: Lublin University of Technology Doctoral School	CLASS TYPE: Monographic Lecture
NUMBER OF HOURS: 5	ECTS: NO POINTS
SEMESTER: WINTER/SUMMER	CLASS LEVEL: 2nd and 3rd year of education in Lublin University of Technology Doctoral School
MINIMAL NUMBER OF STUDENTS: 1 * should the number be smaller, the course may not be opened	
LANGUAGE OF INSTRUCTION: english	
PRELIMINARY REQUIREMENTS: no additional requirements	
CONTENTS: a lecture devoted to issues related to the current trends in the development of science	
EFFECTS OF EDUCATION PROCESS: has advanced knowledge of legal, organizational and institutional issues as well as knowledge of financial conditions of how the scientific research system works at the national and international level	
LITERATURE (OPTIONAL): -	
TEACHING METHODS: lecture conducted online (MsTeams) or stationary; multimedial lecture	
ASSESSMENT METHODS: discussion/activity during the lecture/preparation of written work	
TEACHER (NAME, EMAIL CONTACT): -	