FACULTY:	Institute of Technology and Education
FIELD OF STUDY:	Materials Science and Engineering
COURSE TITLE:	Fundamentals of composite technology
LECTURER'S NAME:	dr hab. Kazimierz Reszka, University Professor
E-MAIL ADDRESS OF THE LECTURER:	kazimierz.reszka@tu.koszalin.pl
ECTS POINTS FOR THE COURSE:	4
ACADEMIC YEAR:	2014/2015
SEMESTER:	W/S
(W – winter, S – summer)	·
HOURS IN SEMESTER:	30+15=45
LEVEL OF THE COURSE: (1 st cycle, 2 nd cycle, 3 rd cycle)	1 st cycle
TEACHING METHOD:	
(lecture, laboratory, group tutorials, seminar,	Lectures (30h), Exercises (15h)
other-what type?)	zestares (son), zxeroises (zon)
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METOD:	_
(written exam, oral exam, class test, written	Written exam, class test
reports, project work, presentation,	written exam, dass test
continuous assessment, other – what type?)	
COURSE CONTENT:	The course covers the following topics: Term and concept of
	composite. Joining and bonding between components of composites, adhesive processes and diffusive. The role of matrix,
	composites, adnesive processes and diffusive. The role of matrix, composites with organic matrix, hot - and chemical- setting.
	Metal- and intermetallic -matrix composites. Ceramics- matrix,
	having large surface development. Hybrid composites.
	Composites reinforced by continuous and short fibers as well as
	fabric. Composites reinforced by fibers with directional and
	andirectional orientation, structural composites and laminates.
	Structural anisomorphism as a strength of chemical uniform
	composite. Methods of investigation significant properties of
	composites
ADDITIONAL INFORMATION:	Required knowledge: chemical and physical properties of
	materials
RECOMMENDED LITERATURE	Bryan Harris, Engineering Composite Materials, IM. London
	1999