

FACULTY:	<b>Faculty of Technology and Education</b>
FIELD OF STUDY:	<b>Mechatronics</b>
ERASMUS COORDINATOR OF THE FACULTY:	Igor Maciejewski, DSc, PhD
E-MAIL ADDRESS OF THE COORDINATOR:	igor.maciejewski@tu.koszalin.pl
COURSE TITLE:	<b>Mechatronics</b>
LECTURER'S NAME:	dr hab. inż. Igor Maciejewski, DSc, PhD
E-MAIL ADDRESS OF THE LECTURER:	igor.maciejewski@tu.koszalin.pl
ECTS POINTS FOR THE COURSE:	4
ACADEMIC YEAR:	2014/2015
SEMESTER: (W – winter, S – summer)	W/S
HOURS IN SEMESTER:	30+15=45
LEVEL OF THE COURSE: (1 <sup>st</sup> cycle, 2 <sup>nd</sup> cycle, 3 <sup>rd</sup> cycle)	1 <sup>st</sup> cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	Lectures (30h), Classes (15h)
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	Written exam
COURSE CONTENT:	Construction and working principle of actuators; Analogies between structural properties of elements used in mechatronic systems; Construction and working principle of sensors; Operating parameters of sensors; Modelling of multi-body systems; Examples of mechatronic system modelling; Basic structure of control system; Controller synthesis; Examples of control system design.
ADDITIONAL INFORMATION:	-