FACULTY:	**Faculty of Technology and Education**
FIELD OF STUDY:	**Mechatronics**
ERASMUS COORDINATOR OF THE FACULTY:	Igor Maciejewski
E-MAIL ADDRESS OF THE COORDINATOR:	igor.maciejewski@tu.koszalin.pl
COURSE TITLE:	**Computer and programming**
LECTURER'S NAME:	lectures: Andrzej Błażejewski, PhD classes: Kazimierz Kamiński, MSc
E-MAIL ADDRESS OF THE LECTURER:	andrzej.blazejewski@tu.koszalin.pl kazimierz.kaminski@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: (1st cycle, 2nd cycle, 3rd cycle)	1st 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?)	oral exam, class test, project work
COURSE CONTENT:	The course is aimed at students with little or no programming experience. It aims to provide students with an understanding of the role computation can play in solving problems. It also aims to help students, regardless of their major, to feel justifiably confident of their ability to write small programs that allow them to accomplish useful goals. During classes the C++ programming language will be used. Course objectives: By the end of this course, students will be able to understand and use the basic programming constructs of C++; manipulate various C++ datatypes, such as arrays, strings, and pointers; isolate and fix common errors in C++ programs; use memory appropriately, including proper allocation/deallocation procedures; apply object-oriented approaches to software problems in C++; write small-scale C++ programs using the above skills.
ADDITIONAL INFORMATION:	Prerequisites: Basic concepts, nomenclature, and historical perspective of computers and computing.
RECOMMENDED LITERATURE	B. Stroustrup "The C++ Programming Language -4th Edition". Addison-Wesley ISBN 978-0321563842. May 2013