COURSE TITLE:	**Object Oriented Programming in C++**
Institute/Division:	Department of Automation and Computer Engineering Faculty of Electrical and Computer Engineering
Course code:	E-OOP
Erasmus subject code:	0613 Software and applications development and analysis
Number of contact hours	45
Course duration:	1 semester (Fall/Winter)
ECTS credits:	6
Course description:	The course covers introduction to Object Oriented Programming in C++ language: • Object Oriented programming - Principles and environments; • Development Approaches; • Structural Programming vs Object Programming; • Objects and Classes, Associations and Multiplicity; • Generalization and Inheritance; • Advanced Relationships and Aggregation; • Polymorphism; • Overloading Operators. Laboratory exercises and individual project are aimed to expand experience in object oriented C++ programming.
Course type:	Lectures (20h), Laboratory (20h), Project (5h)
Literature:	Selected reviews from scientific literature.
Assessment method:	Project, laboratory exercises and written exam.
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