

Course title:	Object Oriented Programming
Institute/Division:	F-3, Institute of Computer Science
Course code:	F3-OOP
Erasmus subject code:	Informatics, Computer Science
Number of contact hours:	45 hours
Course duration:	1 semester
ECTS credits:	6
Course description:	basics of object oriented techniques: classes, interfaces, abstract classes, inheritance, encapsulation, implementation hiding; design patterns – definitions and example projects; C# realization of object oriented features; elements of test driven development (TDD) approach to software development
Literature:	<ol style="list-style-type: none"> 1. "Programming C#. Building .NET Applications with C#", Jesse Liberty 2. "Microsoft Visual C# 2010 Step by Step", John Sharp 3. "Head First Design Patterns", Elisabeth Freeman, Eric Freeman, Bert Bates, Kathy Sierra, Elisabeth Robson 4. "Design Patterns in C#", Steven John Metsker 5. "The Object-Oriented Thought Process (3rd Edition)", Matt Weisfeld
Course type:	Lectures and laboratories
Assessment method:	Attendance, evaluation of small projects, exam
Prerequisites:	basics of programming languages (procedural programming, loops, conditional statements etc., other object oriented languages appreciated but not necessary)
Primary target group:	2-th – 4-th year computer science students
Lecturer:	Michał Bereta, PhD, Eng.
Contact person:	Michał Bereta, PhD, Eng. mbereta@pk.edu.pl
Deadline for application:	15th of September