Object Oriented Programming								
Course Code CIF62003		Student Workload	Credits (according to ECTS)	Semester Sem. 2		Frequency each even-semester		Duration 16 meetings
			7,5 ECTS (6 for theory and 1.5 for practical work)					
1	Types of	courses	conta	ct hours	ind	dependent study		class size
	compulsory (study programme level)		105	105 hours		45 hours		20-40 students
2	Prerequisites for participation							
	Have completed Basic Programming course							
3	Learning outcomes							
	IF-PLO-2							
	Graduates have the ability to be scientific, work collaboratively, have a professional attitude, and have good adaptation skills when working in groups or as an individual							
	IF-PLO-3							
	Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements.							
	IF-PLO-4							
	Graduates have the ability to think computationally, design-based thinking, conduct analysis with scientific writing, and are able to apply the values of Technopreneurship in creating product innovations in the Systems or Information Technology domain. IF-PLO-7							
	Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks.							
	IF-PLO-13							
	Graduates are able to perform abstraction, modeling, representation, and data acquisition in order to perform the data analysis.							quisition in order
4	Subject a	Subject aims						
	Students are able to understand the basic concepts of object-oriented programming, inheritance, polymorphism.							
	Students are able to understand the concepts of encapsulation, access rights and collection.							

	Students are able to understand and use abstract classes, interfaces, exceptions and generic classes.						
	Students are able to create programs using object-oriented programming concepts.						
5	Teaching methods						
	lectures, case study, class discussion, presentation						
6	Assessment methods						
	assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment						
7	This module is used in the following degree programs as well						
8	Responsibility for module						
9	Other information						
	1 Y. Daniel Liang, Introduction to Java Programming Comprehensive Edition 11th Edition. Pearson.						
	2 Bernd Bruegge & Allen H. Dutoit, 2010, Object-Oriented Software Engineering						
	using UML, Patterns, and Java™ Third Edition						