

Advanced Programming					
Course Code CIS62003	Student Workload 150 hours	Credits (according to ECTS) 7.5 (6 for theory & 1.5 for practical work)	Semester 2	Frequency Each even-semester	Duration 16 meetings
1	Types of courses <i>Compulsory (programme study level)</i>	contact hours 105 hours	independent study 45 hours	class size 20 - 40 students	
2	Prerequisites for participation Basic Programming				
3	Learning outcomes IS-ILO-4 Graduates can develop professional careers in computer science based on quality aspects, data-driven decision making, be responsible, and make continuous improvements.				
4	Subject aims <ul style="list-style-type: none"> • Students are able to understand the concepts of object-oriented programming, classes and access modifiers • Students are able to understand and use the concepts of derivation, encapsulation and polymorphism • Students are able to understand and use abstract classes, interfaces, exceptions, generic classes and inner 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 Y. Daniel Liang. 2015. Introduction to Java Programming, Comprehensive Version, 10th Edition. Prentice Hall				