

Reuse Oriented Programming						
Course	Code	Student Workload	Credits (according to ECTS)	Semester	Frequency	Duration
CIS61027		90 hours	4.5	Sem. 3	each odd-semester	16 meetings
1	Types of courses		contact hours	independent study	class size	
	Elective		63 hours	27 hours	40 students	
2	Prerequisites for participation					
	Have completed Information Systems Analysis and Design course					
3	Learning outcomes					
	IS-ILO-1 Graduates are expected to be able to design, build, operate, and evaluate information systems in organizations to align with organizational needs and to produce technological solutions for organizations.					
4	Subject aims					
	<ul style="list-style-type: none"> • Students are able to conceive the software reuse concept. • Students are able to conceive the domain engineered. • Students are able to know frameworks, benefits, and problems in the software reuse. 					
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					
	Mili, Hafedh., Mili, Ali., Yacoub, Sherif., Addy, Edward. Reuse-Based Software Engineering: Techniques, Organization and Controls. John Wiley & Sons, Inc, 2002					
	Sametinger, Johannes. Software Engineering with Reusable Components. Springer-Verlag, 1997					
	Fayad, Mohamed E., Schmidt, Douglas C., Johnson, Ralph E. Building Application Frameworks: Object-Oriented Foundations of Framework Design. John Wiley & Sons, Inc, 1999					