

Information Systems Development Fundamental					
Course Code	Student Workload	Credits (according to ECTS)	Semester	Frequency	Duration
CIS61013	60 hours	3	3	Each odd-semester	16 meetings
1	Types of courses <i>Compulsory</i> (Study Programme level)	Contact hours 48 hours	Independent study 12 hours	Class size 40 students	
2	Prerequisites for participation				
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. IS-ILO-3 Graduates can apply computational and design thinking, conduct scientific analysis and writing and apply the values of Technopreneurship in creating product innovations in the Systems or Information Technology domain.				
4	Subject aims <ul style="list-style-type: none"> • Students are able to know and understand the concepts and the fundamentals of information system development. • Students are able to know the software development process and its relevance to the process business in an organization. • Students are able to know the models that are used to develop the information systems. • Students are able to know the stages and the activities that are carried out in the software development process 				
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 programmes as well				
8	Responsibility for module				
9	Other information 1. Pressman, Roger. S, "Software Engineering – A Practitioner's Approach". Edisi ke-7 tahun 2010. (The latest (8th) edition was published in 2015)				

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| <ol style="list-style-type: none">2. Sommerville, Ian, "Software Engineering". Edisi ke-9 tahun 2011. (The latest (10th) edition was published in April 2015)3. PART 1 Introduction to Software Engineering (Chapter 1 – Chapter 9) |
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