

Course Code	TKIT165231							
Course Name	Analysis and Design of Information							
Course Instructors	Selo ; Adhistya Erna Permanasari, Warsun Najib							
Course Type	Elective							
Course Classification	Engineering Topics							
Credit / Contact Hour per Week	3 / 150 minutes per Week							
Course Description	The development of information systems can be ensured through a number of processes consisting of a set of activities, through stages, using methods and applying best practices best practices, involving multiple stakeholders. One of the important stages is the analysis and design of information systems. Therefore, this course will focus on this stage.							
Prerequisites Courses	-							
Covered Student Outcome	Fundamental and Engineering Knowledge (a) Development of Engineering Solution (b) Engineering Design (c) Modern Tools Utilization (e)							
Learning Outcome								
		Study Program Student Outcome						
No	Learning Outcome	SO (a) – SO (k)						
1.	Students are able to develop information systems by applying the basic concept of analysis and design adapted to real problems in the field.	Fundamental Engineering Knowledge						
2.	Student are able to explain fundamental of designing information	Engineering Design						
3.	Student are able to analyze information systems	Development of Engineering Solution						
4.	Student are able to solve real case problem related to information	Modern Tools Utilization						
Topic	1. Definition of Information System Development 2. Profession in Software Engineering 3. SDLC 4. Technology, Development method and tools 5. Analysis Modeling 6. Design Modeling 7. Project Management							
Direct Asessment	<table border="1"> <thead> <tr> <th>Direct Asessment Plan</th> <th>Measured Learning Outcome</th> </tr> </thead> <tbody> <tr> <td>Mid Exam</td> <td>LO1, LO2</td> </tr> <tr> <td>Final Exam</td> <td>LO3, LO4</td> </tr> </tbody> </table>		Direct Asessment Plan	Measured Learning Outcome	Mid Exam	LO1, LO2	Final Exam	LO3, LO4
Direct Asessment Plan	Measured Learning Outcome							
Mid Exam	LO1, LO2							
Final Exam	LO3, LO4							
Indirect Assesment	Questionnaire and direct communication							
References	1. Systems Analysis and Design with UML Version 2.0 An Object-Oriented Approach							