



UNIVERSITAS INDONESIA
 FACULTY OF ECONOMICS AND BUSINESS
 DEPARTEMENT OF ACCOUNTING
 UNDERGRADUATE PROGRAM



SYLLABUS
 ANALISIS DAN PERANCANGAN SISTEM (SYSTEM ANALYSIS AND DESIGN)
 ECAU607301
 EVEN SEMESTER 2020/2021

No.	Lecturers	E-mail
1.	Isnaeni Achdiat M.Ak.	isnaeni.achdiat@id.ey.com

Subject Code	ECAU607301			
Subject Title	System Analysis and Design			
Credit Value	3			
Year	4			
Pre-requisite/ Co-requisite/ Exclusion	Accounting Information System			
Role and Purposes	This course aims to provide students with knowledge in analyzing an entity's information system, as well as in designing a renewed or newly developed system. The information system being discussed is computer based information system			
Subject Learning Outcomes	<p>Upon completion of the subject, student will be able to:</p> <ol style="list-style-type: none"> Explain the background, basic concept, and philosophy of "System Analysis and Design, as well as the methods used by System Analyst Plan and analyze a system, as well as choose the proper method to perform the analysis Use the System Design Method used by System Analyst. Then students will be able to design an information system based on information or output generated during the analysis stage Conduct system implementation and support stage. Students will then be able to plan those stages which are integrated parts of System Development Life Cycle Comprehensively explain the stages in System Development Life Cycle. Then students will be introduced to new methods in performing System Analysis and Design 			
Subject Synopsis/ Indicative Syllabus	Week #	Topic	LO	References
	1	Overview	a, b, c	JLW Chapter 1
	2	System Information Building	a,	

	Block	b, c	JLW Chapter 2,3
3	Project Management Technique	a, b, c	
4	Requirement Analysis	a, b, c	JLW Chapter 5,6
5	User Requirement and Data Modeling - Process Modelling - Data Modelling	a, b, c	JLW Chapter 7,8,9
6	System Design	a, b, c	JLW Chapter 12
7	Database Design	a, b, c	JLW Chapter 14
8	Output Design and Prototyping	a, b, c	JLW Chapter 15
9	Input Design and Prototyping	a, b, c	JLW Chapter 16
10	User Interface Design		JLW Chapter 17
11	System Construction and Implementation System Support for System Operation	d	JLW Chapter 19,20
12 - 14	Final Paper Presentation	b, c, d	Group Presentation

Teaching/Learning Methodology

Lectures cover core principles and concepts of the subject syllabus. To enhance students' understanding of relevant concepts through various kinds of student's centered activities, including case studies, presentation and discussion. The policy related to plagiarism, cheating, and attendance must refer to faculty regulation.

Assessment Method in Alignment with Intended Learning Outcomes

Specific Assessment Methods/Tasks	% Weighting	Intended Learning Outcomes to be Assessed				
		a	b	c	d	e
Continuous Assessment	100					
GROUP	40%					
Group Presentation 1: Case Study before Mid Exam (20%)		√	√			
Group Presentation 2: Case Study after Mid Exam (20%)				√	√	√



	INDIVIDUAL	60%					
	Mid Term Exam (25%)		√	√			
	Final Exam (25%)				√	√	√
	Participation and Discussion(10%)		√	√	√	√	√
Student Study Effort Expected	Class Contacts						
	Lectures						15 Hours
	Presentation						10 Hours
	Other student study effort						
	Preparation for discussion						25 Hours
	Preparation for project/assignment/tests						25 Hours
Assignment	<ol style="list-style-type: none"> 1. 2 to 3 Case study pre mid term based on topic : students in group will make a paper about case study given based on topic 2. Final Paper and presentation : groups consist of 4 students (max 8 groups) will make a paper about designing and analyzing a prototype of Information system around them (eg : Campus, Dormitory, Residence etc). This Paper at least consist of : <ol style="list-style-type: none"> a. Requirement Analysis b. Logical Analysis (process modelling and data modelling) c. Prototype interface 						

Reading List and References	<p>Required Readings:</p> <ol style="list-style-type: none"> a. System Analysis and Design Method, Jeffrey L. Whitten, McGraw Hill, 7ed 2007. (JLW) b. Kendall, K.E., and Kendall, J.E. Systems Analysis and Design. 9ed. 2013 Prentice- hall, International. (KE)
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