	Universitas Negeri Surabaya Faculty of Engineering, Bachelor of Information Systems Study Program	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Enterprise Information Systems	5720103051		T=3	P=0	ECTS=4.77	5	July 17, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	I Kadek Dwi Nuryana, S.T., M.Kom.

Learning model	**Project Based Learning**	
Program Learning Outcomes (PLO)	**PLO study program that is charged to the course**	
	PLO-29	Able to apply knowledge in the fields of computing, computer networks and programming in accordance with scientific disciplines;
	Program Objectives (PO)	
	PO - 1	Ability to understand enterprise systems and decision making
	PLO-PO Matrix	

P.O	PLO-29
PO-1	

PO Matrix at the end of each learning stage (Sub-PO)

P.O	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PO-1																

Short Course Description	This course discusses a system used by multinational companies (especially manufacturers who produce products or distribute them), in the sense of companies that already have branches that are connected and integrated so that it can be said to be integrated because they are interconnected and centralized.
References	**Main :**

1. Cruz-Cunha, Maria Manuela. 2010. Enterprise Information Systems for BusinessIntegration in SMEs: Technological, Organizational, and Social Dimensions.Polytechnic Institute of Cavado and Ave. Portugal.
2. Olson, David L. 2009. Enterprise Information Systems. Contemporary Trends and Issues, World Scientific PublishingCompany.
3. Dunn, Cheryl. 2004. Enterprise Information Systems: A Pattern-Based Approach.McGraw-Hill/Irwin.
4. Mahendrawathi ER,2023, Sistem Enterprise Konsep dan Implementasi, Penerbit ANDI

Supporters:	
Supporting lecturer	Aries Dwi Indriyanti, S.Kom., M.Kom. Ardhini Warih Utami, S.Kom., M.Kom. Ronggo Alit, M.M., M.T.

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline (*offline*)	Online (*online*)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

1	Students are able to analyze the development of company information systems	1. 1. Explain the meaning of Information Systems 2. 2. Explain the meaning of Enterprise 3. 3. Differentiate between the activities of companies that have not used and those that have used the Enterprise System 4. 4. Understand the benefits obtained from utilizing the Enterprise System 5. 5. Understand the types of Enterprise Systems	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Form of Assessment** : Participatory Activities	Lectures, Discussions 3 X 50	Lectures, Discussions 3 X 50	**Material:** Definition of Information Systems, Enterprise, company activities, types of enterprise systems **References:** *Dunn, Cheryl. 2004. Enterprise Information Systems: A Pattern-Based Approach.McGraw-Hill/Irwin.*	0%
2	Students are able to understand the concept of Strategic Decision Making	Describe the meaning and role of information systems for information technology activities in international competition	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Form of Assessment** : Participatory Activities	Method: contextual instruction Media: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	Method: contextual instruction Media: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	**Material:** the role of information systems for information technology activities in international competition. **Reference:** *Olson, David L. 2009. Enterprise Information Systems. Contemporary Trends and Issues, World Scientific Publishing Company.*	0%
3	Mastering the principles of Business Process Integration	Explain the principles of Business Process Integration	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 20% **Form of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment	1. Method: contextual instruction2. Media: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	1. Method: contextual instruction2. Media: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	**Material:** Explaining the principles of Business Process Integration **Reader:** *Dunn, Cheryl. 2004. Enterprise Information Systems: A Pattern-Based Approach.McGraw-Hill/Irwin.*	0%
4	Mastering the concept of Enterprise Resources Planning (ERP)	1. 1. Explain the definition of ERP 2. 2. Explain the characteristics of ERP with ordinary SI 3. 3. Explain the advantages and limitations of the ERP system 4. 4. Mention the products and types of ERP on the market	**Criteria:** 1. Participation 20% 2. Task 300% 3. UTS 20% 4. UAS 30% **Form of Assessment** : Participatory Activities	Lectures, Discussions 3 X 50	Lectures, Discussions 3 X 50	**Material:** Definition of ERP, Characteristics of ERP, Products and Types of ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%

5	Understanding the History of ERP Development	1. Describe the concept of databases in IS 2. 1. explain the changes in the business environment that prompted the emergence of ERP 3. 2. Explain the development of ERP 4. 3. Explain the development of technology that supports ERP	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Forms of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance	Lectures, Discussions 3 X 50	Lectures, Discussions 3 X 50	**Material:** ERP developments and technology that supports ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
6	Mastering the concept of system integration	1. 1. Differentiate between logical and physical integration 2. 2. Explain the stages of system integration 3. 3. Explain the advantages and disadvantages of system integration 4. 4. Explain the role of ERP in logical and physical integration	**Criteria:** 1. Participation 20% 2. Task 305 3. UTS 20% 4. UAS 30% **Form of Assessment** : Participatory Activities	Discussion and Lecture 3 X 50	Discussion and Lecture 3 X 50	**Material:** Physical and Logical Integration, Stages of system integration **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
7	Mastering ERP Architecture	1. Able to make presentations and explain the added value of business information systems 2. 1. Explain ERP components 3. 2. Describe the ERp architecture	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Forms of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance	Lectures and discussions 3 X 50	Lectures and discussions 3 X 50	**Material:** ERP Components and Architecture **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
8	UTS	UTS	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Form of Assessment** : Participatory Activities	Practice Questions 3 X 50	UTS 3 X 50	**Material:** Material for weeks 1-7 **References:** *Mahendrawathi ER, 2023, Enterprise Systems Concept and Implementation, ANDI Publisher*	0%
9	Mastering the Concept of Company Type and ERP	1. 1. Differentiate between manufacturing and service companies 2. 2. Explain the impact of different company types on ERP	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Forms of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance	Lectures and Discussions 3 X 50	Lectures and Discussions 3 X 50	**Material:** Company Types and ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
10	Mastering the concepts of business processes and ERP modules	1. 1. Explain the main business processes in a manufacturing company 2. 2. Explain the main modules in ERP	**Criteria:** 1. Participation 20% 2. Duty 30% 3. UTS 20% 4. UAS 30% **Form of Assessment** : Participatory Activities, Practice/Performance	Method: contextual instruction Media: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	Method: contextual instruction Media: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	**Material:** Business Processes and ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%

11	Mastering the Concept of the Sales Process with ERP	1.1. Explaining Master Data in the Sales Process 2.2. Explain the main activities in the sales process	**Criteria:** 1.Participation 20% 2.Duty 30% 3.UTS 20% 4.UAS 30% **Forms of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance	Contextual instruction methodMedia: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	Contextual instruction methodMedia: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	**Material:** Sales Process and ERP Module **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
12	Mastering the concept of the material procurement process with ERP	1.1. Explain Master Data in the Material Procurement Process 2.2. Explain the main activities in the material procurement process in SAP ERP	**Criteria:** 1.Participation 20% 2.Duty 30% 3.UTS 20% 4.UAS 30% **Form of Assessment** : Participatory Activities	Contextual instruction methodMedia: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	Contextual instruction methodMedia: class, computer, LCD, whiteboard, web and Video Tutorial (Multimedia) 3 X 50	**Material:** Material procurement process and main activities in ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
13	Mastering the concept of the production planning process with ERP	1.1. Explain Master Data in the Production Planning Process with ERP 2.2. Explain the main activities in the production planning process with ERP	**Form of Assessment** : Participatory Activities	Lectures and discussions 3 X 50	Lectures and discussions 3 X 50	**Material:** Production planning process and main activities **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
14	Designing the Sales Process Module in ERP	Design and explain sales process module design projects in ERP	**Criteria:** 1.Participation 20% 2.Duty 30% 3.UTS 20% 4.UAS 30% **Form of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment	3 X 50 case study	3 X 50 case study	**Material:** Sales Process Module in ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
15	Designing the Material Procurement Process Module in ERP	Designing the Material Procurement Process Module in ERP	**Criteria:** 1.Participation 20% 2.Duty 30% 3.UTS 20% 4.UAS 30% **Form of Assessment** : Participatory Activities, Practice/Performance	3X50 Case Study	3X50 Case Study	**Material:** Material Procurement Process Module in ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%
16	master the design of production planning process modules in ERP		**Criteria:** 1.Participation 20% 2.Duty 30% 3.UTS 20% 4.UAS 30% **Forms of Assessment** : Participatory Activities, Practice/Performance, Tests	3X50 case study	UAS 3X50	**Material:** production planning process module in ERP **Reference:** *Mahendrawathi ER, 2023, Enterprise System Concept and Implementation, ANDI Publisher*	0%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
		0%

Notes

1. **Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.

3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
5. **Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
7. **Forms of assessment:** test and non-test.
8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.