



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

Document Code

**SEMESTER LEARNING PLAN**

<b>Courses</b>	<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>	<b>SEMESTER</b>	<b>Compilation Date</b>												
Executive Information Systems	5720103050		T=3 P=0 ECTS=4.77	3	July 17, 2024												
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>	<b>Study Program Coordinator</b>													
	.....		.....	I Kadek Dwi Nuryana, S.T., M.Kom.													
<b>Learning model</b>	<b>Project Based Learning</b>																
<b>Program Learning Outcomes (PLO)</b>	<b>PLO study program that is charged to the course</b>																
	<b>PLO-5</b>	Have faith in God Almighty and be able to show a religious attitude;															
	<b>PLO-29</b>	Able to apply knowledge in the fields of computing, computer networks and programming in accordance with scientific disciplines;															
	<b>Program Objectives (PO)</b>																
	<b>PLO-PO Matrix</b>																
		P.O	PLO-5	PLO-29													
	<b>PO Matrix at the end of each learning stage (Sub-PO)</b>																
	P.O	Week															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Short Course Description</b>	This course provides an understanding that Executive Information Systems (ISE) is a part that provides information for executives regarding the company's overall performance. SIE is an information system that combines the results of management information systems and decision support systems and produces strategic information for top management.																
<b>References</b>	<b>Main :</b>																
	1. A.Turban, Efraim, Aronson, Jay, E Liang, Ting-Peng. 2005. Decision Support Systems and Intelligent Systems . Prentice-Hall 2. Irfan Subakti. 2002. Sistem Pendukung Keputusan (Decision Support System).ITS-Surabaya																
	<b>Supporters:</b>																
<b>Supporting lecturer</b>	I Kadek Dwi Nuryana, S.T., M.Kom. Ronggo Alit, M.M., M.T. Rindu Puspita Wibawa, S.Kom., M.Kom.																
<b>Week</b>	<b>Final abilities of each learning stage (Sub-PO)</b>	<b>Evaluation</b>				<b>Help Learning, Learning methods, Student Assignments, [ Estimated time ]</b>		<b>Learning materials [ References ]</b>	<b>Assessment Weight (%)</b>								
		<b>Indicator</b>	<b>Criteria &amp; Form</b>			<b>Offline ( offline )</b>	<b>Online ( online )</b>										
(1)	(2)	(3)	(4)			(5)	(6)	(7)	(8)								

1	Students understand the definition, basics, concepts and scope of executive information systems Students understand the processes that occur in management information systems (MIS) Students understand the processes that occur in decision making systems (DSS)	<ol style="list-style-type: none"> <li>1.Students Explain the definition and scope of executive information systems (SIE)</li> <li>2.Students explain the basics and concepts of executive information systems (ISE)</li> <li>3.Students explain the differences between the process of recording information with SIM and SPK and explain their relationship with management and decision making</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Participatory Activities</p>	Presentation, discussion, question and answer 3 X 50	Presentation, discussion, question and answer 3 X 50	<p><b>Material:</b> Scope of SIE, basics and concepts of SIE, definition and process of recording SIM, definition and process of decision making with SPK</p> <p><b>Pustaka:</b> <i>Irfan Subakti. 2002. Decision Support System (Decision Support System). ITS-Surabaya</i></p>	4%
2	Students understand the definition, basics, concepts and scope of executive information systems Students understand the processes that occur in management information systems (MIS) Students understand the processes that occur in decision making systems (DSS)	<ol style="list-style-type: none"> <li>1.Students Explain the definition and scope of executive information systems (SIE)</li> <li>2.Students explain the basics and concepts of executive information systems (ISE)</li> <li>3.Students explain the differences between the process of recording information with SIM and SPK and explain their relationship with management and decision making</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Participatory Activities</p>	Presentation, discussion, question and answer 6 X 50	Presentation, discussion, question and answer 6 X 50	<p><b>Material:</b> Scope of SIE, basics and concepts of SIE, definition and process of recording SIM, definition and process of decision making with SPK</p> <p><b>Pustaka:</b> <i>Irfan Subakti. 2002. Decision Support System (Decision Support System). ITS-Surabaya</i></p>	4%
3	Students understand the factors that influence decision making. Students understand the characteristics & components of SPK Students receive national/international journals related to the use of SPK in an organization/management	Students can mention factors that influence management decision making. Students can mention the characteristics and components of SPK. Students can review national/international journals related to the use of SPK in an organization.	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Participatory Activities</p>	Presentation, discussion, question and answer 6 X 50	Presentation, discussion, question and answer 6 X 50	<p><b>Material:</b> Factors that influence decision making, Characteristics and components of SPK,</p> <p><b>Literature Journal Review:</b> <i>Irfan Subakti. 2002. Decision Support System (Decision Support System). ITS-Surabaya</i></p>	4%
4	Students understand the factors that influence decision making. Students understand the characteristics & components of SPK Students receive national/international journals related to the use of SPK in an organization/management	Students can mention factors that influence management decision making. Students can mention the characteristics and components of SPK. Students can review national/international journals related to the use of SPK in an organization.	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	Presentation, discussion, question and answer 6 X 50	Presentation, discussion, question and answer 6 X 50	<p><b>Material:</b> Factors that influence decision making, Characteristics and components of SPK,</p> <p><b>Literature Journal Review:</b> <i>Irfan Subakti. 2002. Decision Support System (Decision Support System). ITS-Surabaya</i></p>	10%

5	Students understand the basic concepts of decision support management (MSS). Students can implement decision analysis models	Students can explain the basic concepts of decision support management. Students are skilled at applying decision analysis models	<b>Criteria:</b> 1.Participation = 20% 2.Tasks = 30% 3.UTS = 20% 4.UAS = 30% 5.Valuation Formula: $NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10$  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment	Presentation, discussion, question and answer 6 X 50	Presentation, discussion, question and answer 6 X 50	<b>Material:</b> Basic concepts of support management, decision analysis models <b>Reader:</b> <i>Irfan Subakti. 2002. Decision Support System (Decision Support System). ITS-Surabaya</i>	10%
6	Students understand the basic concepts of decision support management (MSS). Students can implement decision analysis models	Students can explain the basic concepts of decision support management. Students are skilled at applying decision analysis models	<b>Criteria:</b> 1.Participation = 20% 2.Tasks = 30% 3.UTS = 20% 4.UAS = 30% 5.Valuation Formula: $NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10$  <b>Form of Assessment :</b> Participatory Activities	Presentation, discussion, question and answer 6 X 50	Presentation, discussion, question and answer 6 X 50	<b>Material:</b> Basic concepts of support management, decision analysis models <b>Reader:</b> <i>Irfan Subakti. 2002. Decision Support System (Decision Support System). ITS-Surabaya</i>	4%
7	Students understand the implementation of multi-attribute decision making (MADM) Students make course assignment project proposals (case studies) related to the application of MADM in the decision making process as part of SIE	Students can explain the implementation of multi-attribute decision making (MADM) in the decision making process. Students are skilled at making project proposals for SIE course assignments	<b>Criteria:</b> 1.Participation = 20% 2.Tasks = 30% 3.UTS = 20% 4.UAS = 30% 5.Valuation Formula: $NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10$  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment	Practice making 3 X 50 proposals	Practice making 3 X 50 proposals	<b>Material:</b> Multi-attribute decision making (MADM) <b>References:</b> <i>A.Turban, Efraim, Aronson, Jay, E Liang, Ting-Peng. 2005. Decision Support Systems and Intelligent Systems. Prentice-Hall</i>	10%
8	UTS	UTS	<b>Criteria:</b> 1.Participation = 20% 2.Tasks = 30% 3.UTS = 20% 4.UAS = 30% 5.Valuation Formula: $NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10$  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment	UTS 3 X 50	UTS 3 X 50	<b>Material:</b> UTS <b>Library:</b>	10%
9	Students are skilled in carrying out SIE requirements specifications according to the case studies created	Skilled in identifying user needs & system requirements, skilled in identifying functional and non-functional requirements, skilled in determining the right method in case studies	<b>Criteria:</b> 1.Participation = 20% 2.Tasks = 30% 3.UTS = 20% 4.UAS = 30% 5.Valuation Formula: $NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10$  <b>Form of Assessment :</b> Participatory Activities	Presentation, discussion, question and answer, Practice 3 X 50	Presentation, discussion, question and answer, Practice 3 X 50	<b>Material:</b> User needs & system requirements, functional and non-functional needs, MADM (method) <b>References:</b> <i>A.Turban, Efraim, Aronson, Jay, E Liang, Ting-Peng. 2005. Decision Support Systems and Intelligent Systems. Prentice-Hall</i>	4%

10	Students are skilled in analyzing systems	Skilled in creating flowmaps from SIE projects	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentation, discussion, question and answer, Practice 3 X 50	Presentation, discussion, question and answer, Practice 3 X 50	<p><b>Material:</b> SIE Flowmap <b>Library:</b> A.Turban, Efraim, Aronson, Jay, E Liang, Ting-Peng. 2005. <i>Decision Support Systems and Intelligent Systems.</i> Prentice-Hall</p>	10%
11	Skilled Students in DFD modeling	Skilled in creating DFDs for context level/level 0 SIE projects along with data flows using power designer software, skilled in creating level 1 DFDs for SIE projects along with all processes and data flows using power designer software and skilled in creating level 2 DFDs from a process/more for SIE projects along with the data flow using power designer software.	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	Presentation, discussion, question and answer, Practice 3 X 50	Presentation, discussion, question and answer, Practice 3 X 50	<p><b>Material:</b> DFD (context diagram and DFD level) <b>References:</b> A.Turban, Efraim, Aronson, Jay, E Liang, Ting-Peng. 2005. <i>Decision Support Systems and Intelligent Systems.</i> Prentice-Hall</p>	5%
12	Skilled Students in ERD modeling	<ol style="list-style-type: none"> <li>1.Create a Conceptual Data Model (CDM) using power designer for SIE projects</li> <li>2.Create entities and fill in the attributes of each entity using power designer.</li> <li>3.Create relationships between tables/entities and determine cardinality between entities/tables.</li> <li>4.Create a Physical Data Model (PDM) by generating it from CDM</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	Presentation, discussion, question and answer, Practice 3 X 50	Presentation, discussion, question and answer, Practice 3 X 50	<p><b>Material:</b> CDM, PDM <b>Reader:</b> A.Turban, Efraim, Aronson, Jay, E Liang, Ting-Peng. 2005. <i>Decision Support Systems and Intelligent Systems.</i> Prentice-Hall</p>	5%
13	Students are skilled in creating programs (prototypes) for SIE projects	Skilled in making prototypes of SIE projects based on case studies	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Participation = 20%</li> <li>2.Tasks = 30%</li> <li>3.UTS = 20%</li> <li>4.UAS = 30%</li> <li>5.Valuation Formula: <math>NA = ((2xP) (3xT) (2xUTS) (3xUAS))/10</math></li> </ol> <p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	Practice 9 X 50	Practice 9 X 50	<p><b>Material:</b> SIE Prototype Project <b>Reader:</b> Irfan Subakti. 2002. <i>Decision Support System (Decision Support System).</i> ITS-Surabaya</p>	10%

14	Students are skilled in creating programs (prototypes) for SIE projects	Skilled in making prototypes of SIE projects based on case studies	<b>Criteria:</b> 1. Participation = 20% 2. Tasks = 30% 3. UTS = 20% 4. UAS = 30% 5. Valuation Formula: $NA = ((2 \times P) + (3 \times T) + (2 \times UTS) + (3 \times UAS)) / 10$  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment	Practice 9 X 50	Practice 9 X 50	<b>Material:</b> SIE Prototype Project <b>Reader:</b> Irfan Subakti. 2002. <i>Decision Support System (Decision Support System)</i> . ITS-Surabaya	5%
15	Students are skilled in creating programs (prototypes) for SIE projects	Skilled in making prototypes of SIE projects based on case studies	<b>Criteria:</b> 1. Participation = 20% 2. Tasks = 30% 3. UTS = 20% 4. UAS = 30% 5. Valuation Formula: $NA = ((2 \times P) + (3 \times T) + (2 \times UTS) + (3 \times UAS)) / 10$	Practice 9 X 50	Practice 9 X 50	<b>Material:</b> SIE Prototype Project <b>Reader:</b> Irfan Subakti. 2002. <i>Decision Support System (Decision Support System)</i> . ITS-Surabaya	5%
16	UAS		<b>Form of Assessment :</b> Project Results Assessment / Product Assessment	UAS 1x1	UAS 1x1	<b>Material:</b> UAS <b>Literature:</b>	5%

#### Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	25%
2.	Project Results Assessment / Product Assessment	75%
		100%

#### Notes

- 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.
- 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.
- 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.
- 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.
- Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 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.
- Forms of assessment:** test and non-test.
- 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.
- 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.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 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%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.