



**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>																																											
E-Business Technology and Infrastructure	5720103059		T=3	P=0	ECTS=4.77	4	July 17, 2024																																											
<b>AUTHORIZATION</b>		<b>SP Developer</b>	<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>																																												
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<b>Learning model</b>	Project Based Learning																																																	
<b>Program Learning Outcomes (PLO)</b>	PLO study program that is charged to the course																																																	
	Program Objectives (PO)																																																	
	PLO-PO Matrix																																																	
		P.O																																																
<b>PO Matrix at the end of each learning stage (Sub-PO)</b>	PO Matrix at the end of each learning stage (Sub-PO)																																																	
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> <td style="text-align: center;">11</td> <td style="text-align: center;">12</td> <td style="text-align: center;">13</td> <td style="text-align: center;">14</td> <td style="text-align: center;">15</td> <td style="text-align: center;">16</td> </tr> </table>																P.O	Week																	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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<b>Short Course Description</b>	E-Business Technology and Infrastructure course which teaches about web-based business concepts and infrastructure related to information technology in the implementation process in processes such as e-commerce, e-government and so on, then continues with e-business systems which include CRM and SCM, and the following stages of building an e-business.																																																	
<b>References</b>	<b>Main :</b>																																																	
	<ol style="list-style-type: none"> <li>1. Sounderpandian, Jayavel. 2007. E-Business Process Management: Technologies and Solutions. IdEa Group PuBliShInG</li> <li>2. Budi Sutedjo.2002. Perspektif e-Business. Yogyakarta. Cetakan 1, Penerbit ANDI.</li> <li>3. Riyeke Ustadiyanto SE.2002. E-Business Plan. Yogyakarta. Cetakan 1, Penerbit ANDI.</li> <li>4. Ravi Kalakota.Marcia Robinson.2002. e-Business 2_0 – Roadmap for Success. New York. Addison Wesley.</li> </ol>																																																	
<b>Supporters:</b>																																																		
<b>Supporting lecturer</b>	I Gusti Lanang Putra Eka Prisma, S.Kom., M.Kom. I Kadek Dwi Nuryana, S.T., 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 can explain the basics of e-business	<ol style="list-style-type: none"> <li>1. Students are able to explain the meaning of e-Business</li> <li>2. Students are able to differentiate and compare E-business vs e-Commerce</li> <li>3. Students are able to explain the benefits of e-Business</li> <li>4. Students are able to name types of e-Business based on Actors and Activity Categories</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lectures & Discussions 3 X 50	Lectures & Discussions 3 X 50	<b>Material:</b> Basics of e-business <b>Reader:</b> Ravi Kalakota, Marcia Robinson. 2002. <i>e-Business 2_0 – Roadmap for Success</i> . New York. Addison Wesley.	3%
2	Students can get to know e-business infrastructure in terms of software and hardware following the latest developments in information technology,	<ol style="list-style-type: none"> <li>1. Students can mention and explain the function of the Internet for the use of e-business</li> <li>2. Students can explain the function of web services features and their advantages in supporting processes in e-business</li> <li>3. Students can explain the general description of e-Business Information Systems</li> <li>4. Students can understand the functions of several Internet technologies</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lectures & Discussions 3 X 50	Lectures & Discussions 3 X 50	<b>Material:</b> Get to know e-business infrastructure in terms of software and hardware following the latest information technology developments. <b>Reader:</b> Sounderpandian, Jayavel. 2007. <i>E-Business Process Management: Technologies and Solutions</i> . IdEa Group Publishing	3%
3	Students can find out how to plan a web in e-business	<ol style="list-style-type: none"> <li>1. Students can mention and explain Web Marketing strategies.</li> <li>2. Students can determine the success of a website.</li> <li>3. Students can design HR needs (in website development)</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lectures & Discussions 3 X 50	Lectures & Discussions 3 X 50	<b>Material:</b> Web planning in e-business <b>Reference:</b> Budi Sutedjo. 2002. <i>e-Business Perspective</i> . Yogyakarta. Printing 1, ANDI Publisher.	3%
4	Students can learn about e-business systems, especially about developments and strategies for designing e-business	<ol style="list-style-type: none"> <li>1. Students can explain the process of Information Systems Development</li> <li>2. Students can mention and explain the Challenges of e-Business IS Development</li> <li>3. Students can formulate a Strategy for Designing an e-Business IS</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lectures & Discussions 3 X 50	Lectures & Discussions 3 X 50	<b>Material:</b> Development and strategy for designing e-business <b>Reference:</b> Riyeke Ustadiyanto SE. 2002. <i>E-Business Plan</i> . Yogyakarta. Printing 1, ANDI Publisher.	4%

5	Students can find out the types of information systems in ebusiness	<ol style="list-style-type: none"> <li>1.Students can name and explain Types of Information System Applications in e-Business;</li> <li>2.Students can find out and explain the Competitive Advantages of IS</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lectures & Discussions 3 X 50	Lectures & Discussions 3 X 50	<b>Material:</b> Types of information systems in ebusiness <b>Reference:</b> Budi Sutedjo.2002. <i>e-Business Perspective</i> . Yogyakarta. Printing 1, ANDI Publisher.	4%
6	Students can find out the standard stages and procedures in the process of building and developing e-business	<ol style="list-style-type: none"> <li>1.Students can implement the Vision and Prospects for e-Business System Development</li> <li>2.Students can mention and explain the factors to be considered in building an e-business system</li> </ol>	<b>Form of Assessment :</b> Project Results Assessment / Product Assessment	Lecture Discussion Scientific learning 3 X 50	Lecture Discussion Scientific learning 3 X 50	<b>Material:</b> Stages and procedures in the process of building and developing e-business. <b>Reader:</b> Sounderpandian, Jayavel. 2007. <i>E-Business Process Management: Technologies and Solutions</i> . IdEa Group PuBlIshInG	10%
7	Students can find out the standard stages and procedures in the process of building and developing e-business	<ol style="list-style-type: none"> <li>1.Students can implement the Vision and Prospects for e-Business System Development</li> <li>2.Students can mention and explain the factors to be considered in building an e-business system</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lecture Discussion Scientific learning 3 X 50	Lecture Discussion Scientific learning 3 X 50	<b>Material:</b> Stages and standard procedures in the process of building and developing e-business. <b>Reference:</b> Ravi Kalakota. Marcia Robinson. 2002. <i>e-Business 2_0 – Roadmap for Success</i> . New York. Addison Wesley.	4%
8	UTS	Able to do UTS questions correctly and well	<b>Form of Assessment :</b> Project Results Assessment / Product Assessment, Test	UTS 3 X 50	UTS 3 X 50	<b>Material:</b> UTS <b>Library:</b>	25%
9	<ol style="list-style-type: none"> <li>1.Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</li> <li>2.Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</li> </ol>	<ol style="list-style-type: none"> <li>1.Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</li> <li>2.Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</li> </ol>	<b>Form of Assessment :</b> Participatory Activities	Lecture Discussion Scientific learning 3 X 50	Lecture Discussion Scientific learning 3 X 50	<b>Material:</b> Online Marketing <b>Library:</b> Sounderpandian, Jayavel. 2007. <i>E-Business Process Management: Technologies and Solutions</i> . IdEa Group PuBlIshInG	3%

10	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p>1. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p> <p>2. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p>		Lecture Discussion Scientific learning 3 X 50	Lecture Discussion Scientific learning 3 X 50	<p><b>Material:</b> Online Marketing <b>Library:</b> Sounderpandian, Jayavel. 2007. <i>E-Business Process Management: Technologies and Solutions.</i> IdEa Group PuBlIshInG</p>	3%
11	Have the ability to evaluate online marketing concepts and social issues in ecommerce & information business.	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<b>Form of Assessment :</b> Participatory Activities	Lecture Discussion Scientific learning 3 X 50	Lecture Discussion Scientific learning 3 X 50	<p><b>Material:</b> Social issues in e-commerce <b>References:</b> Sounderpandian, Jayavel. 2007. <i>E-Business Process Management: Technologies and Solutions.</i> IdEa Group PuBlIshInG</p>	3%

12	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p><b>Form of Assessment :</b> Participatory Activities</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p><b>Material:</b> Social issues in e-commerce <b>References:</b> <i>Sounderpandian, Jayavel. 2007. E-Business Process Management: Technologies and Solutions. IdEa Group PuBlIshInG</i></p>	4%
13	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p><b>Form of Assessment :</b> Participatory Activities</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p><b>Material:</b> Implementation of e-business <b>References:</b> <i>Sounderpandian, Jayavel. 2007. E-Business Process Management: Technologies and Solutions. IdEa Group PuBlIshInG</i></p>	4%

14	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p>1. Have the ability to evaluate online marketing concepts and social issues in ecommerce &amp; information business.</p> <p>2. Understand the basic concepts of e-business, understand and know the e-business system and the stages that must be taken when building an e-business as well as what information technology can be used to support success during the implementation process.</p>	<p><b>Form of Assessment :</b> Participatory Activities</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p><b>Material:</b> Implementation of e-business <b>References:</b> <i>Sounderpandian, Jayavel. 2007. E-Business Process Management: Technologies and Solutions. IdEa Group PuBlIshInG</i></p>	4%
15	<p>Students are able to present their work</p>	<p>Students' ability to apply e-commerce</p>	<p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p>Lecture Discussion Scientific learning 3 X 50</p>	<p><b>Material:</b> Implementation of e-business <b>References:</b> <i>Sounderpandian, Jayavel. 2007. E-Business Process Management: Technologies and Solutions. IdEa Group PuBlIshInG</i></p>	3%
16	<p>UAS</p>		<p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	<p>UAS 3 X 50</p>	<p>UAS 3 X 50</p>	<p><b>Material:</b> UAS <b>Literature:</b></p>	20%

#### Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	39%
2.	Project Results Assessment / Product Assessment	45.5%
3.	Test	12.5%
		97%

#### 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** 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.
- 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.

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.