



**Universitas Negeri Surabaya**  
**Faculty of Education,**  
**Doctoral Study Program in Educational Management**

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>																																												
Analysis of Information Systems and Education Management Technology	8603102945		T=2	P=0	ECTS=5.04	2	July 19, 2024																																												
<b>AUTHORIZATION</b>		<b>SP Developer</b>	<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>																																													
		.....	.....			Dr. Nunuk Hariyati, S.Pd., M.Pd.																																													
<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																																																		
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; text-align: center;">P.O</td> <td colspan="14"></td> </tr> </table>							P.O																																										
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	PO Matrix at the end of each learning stage (Sub-PO)																																																		
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; text-align: center;">P.O</td> <td colspan="15" style="text-align: center;">Week</td> </tr> <tr> <td></td> <td></td> <td style="width: 20px; text-align: center;">1</td> <td style="width: 20px; text-align: center;">2</td> <td style="width: 20px; text-align: center;">3</td> <td style="width: 20px; text-align: center;">4</td> <td style="width: 20px; text-align: center;">5</td> <td style="width: 20px; text-align: center;">6</td> <td style="width: 20px; text-align: center;">7</td> <td style="width: 20px; text-align: center;">8</td> <td style="width: 20px; text-align: center;">9</td> <td style="width: 20px; text-align: center;">10</td> <td style="width: 20px; text-align: center;">11</td> <td style="width: 20px; text-align: center;">12</td> <td style="width: 20px; text-align: center;">13</td> <td style="width: 20px; text-align: center;">14</td> <td style="width: 20px; text-align: center;">15</td> <td style="width: 20px; 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	16
	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 examines and analyzes the utilization of educational resources to plan, implement and evaluate educational institutions by utilizing information technology systems with the aim of making time and energy more efficient.																																																		
<b>References</b>	<b>Main :</b>																																																		
	<ol style="list-style-type: none"> <li>1. Laudon, K., &amp; Laudon, J. (2009). Management Information Systems: International Edition, 11/E. London, UK: Pearson Higher Education.</li> <li>2. Diah Hidayati, M. M. Sistem Informasi Pendidikan dan Transformasi Digital. UAD PRESS, 2022.</li> <li>3. Blumenthal, S.C. 1969. Management Information System: A Framework for Planning and Development. New York, Englewood Cliffs: Prentice Hall Inc</li> <li>4. Davis, G.B. dan Olson, M.H. 1984. Management Information System: Conceptual Foundation, Structure, and Development. New York: International Student Edition</li> <li>5. Scott, G.M. 1986. Principles of Management Information System. New York: MacGraw Hill Book Company</li> <li>6. Haag, S., Cummings, M., &amp; Dawkins, J. (1998). Management Information Systems. Multimedia systems, 279, 280-297.</li> <li>7. Post, G. V., &amp; Anderson, D. L. (2003). Management Information Systems. Mc Graw Hill.</li> <li>8. Laudon, C. K., &amp; Laudon, P. J. (2013). Essentials of Management Information Systems. Pearson Education, Inc.</li> <li>9. Almunawar, Mohammad Nabil, Md Zahidul Islam, and Patricia Ordóñez de Pablos, eds. Digitalisation and Organisation Design: Knowledge Management in the Asian Digital Economy. Routledge, 2022.</li> <li>10. Mitra, Ananya.</li> <li>11. Lindeman, Sofie, Maria Svensson, and Ann-Britt Enochsson. "Digitalisation in early childhood education: a domestication theoretical perspective on teachers' experiences." Education and Information Technologies 26.4 (2021): 4879-4903.</li> </ol>																																																		
	<b>Supporters:</b>																																																		
<b>Supporting lecturer</b>	Dr. Alim Sumarno, M.Pd. Dr. Mohammad Syahidul Haq, S.Pd., M.Pd.																																																		
<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 are able to explain the meaning of the system;	<ol style="list-style-type: none"> <li>1. Students are able to explain the meaning of the system</li> <li>2. Students are able to differentiate between types of systems;</li> <li>3. Students are able to explain the characteristics of the system;</li> </ol>	<p><b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Participatory Activities, Practice/Performance</p>	Collaboration Learning (lecturer material, questions and answers, and discussions)	Collaboration Learning (lecturer material, questions and answers, and discussions)	<p><b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022.</p> <p><b>References:</b> Laudon, K., &amp; Laudon, J. (2009). <i>Management Information Systems: International Edition, 11/E</i>. London, UK: Pearson Higher Education.</p> <hr/> <p><b>Material:</b> Laudon, CK, &amp; Laudon, PJ (2013). <i>Essentials of Management Information Systems</i>. Pearson Education, Inc.</p> <p><b>References:</b> Laudon, CK, &amp; Laudon, PJ (2013). <i>Essentials of Management Information Systems</i>. Pearson Education, Inc.</p>	2%
2	Students are able to explain the meaning of Information & Communication Systems;		<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1. Students are able to explain the meaning of Information &amp; Communication Systems;</li> <li>2. Students are able to differentiate between types of Information &amp; Communication Systems;</li> <li>3. Students are able to explain the characteristics of Communication Information Systems;</li> <li>4. Students are able to differentiate the strengths and weaknesses of Information &amp; Communication Systems.</li> </ol> <p><b>Form of Assessment :</b> Participatory Activities, Practice/Performance</p>			<p><b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022.</p> <p><b>References:</b> Post, GV, &amp; Anderson, DL (2003). <i>Management Information Systems</i>. McGraw Hill.</p>	2%

3	Students are able to make inferences about the basic concepts of Digitalization of Educational Institutions	<ol style="list-style-type: none"> <li>1. Students are able to explain the meaning of digitalization;</li> <li>2. Students are able to explain the meaning of digitalization in the world of education;</li> <li>3. Students are able to explain the weaknesses and advantages of digitalization of educational institutions;</li> </ol>	<b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55	Collaboration Learning (lecturer material, questions and answers, and discussions)		<b>Material:</b> Davis, GB and Olson, MH 1984. <i>Management Information Systems: Conceptual Foundation, Structure, and Development.</i> New York: International Student Edition <b>Bibliography:</b> <i>Almunawar, Mohammad Nabil, Md Zahidul Islam, and Patricia Ordóñez de Pablos, eds. Digitalisation and Organization Design: Knowledge Management in the Asian Digital Economy.</i> Routledge, 2022.	2%
4	Students are able to make inferences about the basic concepts of Digitalization of Educational Institutions	<ol style="list-style-type: none"> <li>1. Students are able to explain the meaning of digitalization;</li> <li>2. Students are able to explain the meaning of digitalization in the world of education;</li> <li>3. Students are able to explain the weaknesses and advantages of digitalization of educational institutions;</li> <li>4. Students are able to explain the challenges and digitalization of educational institutions;</li> <li>5. Students are able to explain the implementation of digitalization of educational institutions;</li> </ol>	<b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55	Collaboration Learning (lecturer material, questions and answers, and discussions)	Collaboration Learning (lecturer material, questions and answers, and discussions)	<b>Material:</b> Davis, GB and Olson, MH 1984. <i>Management Information Systems: Conceptual Foundation, Structure, and Development.</i> New York: International Student Edition <b>Bibliography:</b> Davis, GB and Olson, MH 1984. <i>Management Information Systems: Conceptual Foundation, Structure, and Development.</i> New York: International Student Edition	2%

5	Students are able to make inferences about the role of HRM in the digitalization of educational institutions	<ol style="list-style-type: none"> <li>1. Students are able to explain HR in the Digitalization of Education</li> <li>2. Students are able to explain strategies for increasing human resources for the digitalization of educational institutions</li> <li>3. Students are able to explain HR Planning in the Digitalization of Education</li> <li>4. Students are able to explain the Implementation of Human Resources in the Digitalization of Education</li> <li>5. Students are able to explain HR Evaluation in the Digitalization of Education</li> </ol>	<p><b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Collaboration Learning (lecturer material, questions and answers, and discussions)	Collaboration Learning (lecturer material, questions and answers, and discussions)	<p><b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022.</p> <p><b>References:</b></p>	2%
6	Students are able to make inferences about the role of HRM in the digitalization of educational institutions	<ol style="list-style-type: none"> <li>1. Students are able to explain the role of facilities and infrastructure in the digitalization of education</li> <li>2. Students are able to explain HR Planning in the Digitalization of Education</li> <li>3. Students are able to explain the Implementation of Human Resources in the Digitalization of Education</li> <li>4. Students are able to explain HR Evaluation in the Digitalization of Education</li> </ol>	<p><b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Collaboration Learning (lecturer material, questions and answers, and discussions)	Collaboration Learning (lecturer material, questions and answers, and discussions)	<p><b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022.</p> <p><b>Reference:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022.</p>	4%

7	Students are able to make inferences about Digital-Based Public Services in Educational Institutions	<ol style="list-style-type: none"> <li>1.Students are able to make inferences about Digital-Based Public Services in Educational Institutions</li> <li>2.Students are able to explain digital-based excellent services at digital institutions</li> <li>3.Students are able to explain and identify public service problems in educational institutions</li> <li>4.Students are able to explain HR Evaluation in the Digitalization of Education</li> </ol>	<p><b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Collaboration Learning (lecturer material, questions and answers, and discussions)		<p><b>Material:</b> Davis, GB and Olson, MH 1984. Management Information Systems: Conceptual Foundation, Structure, and Development. New York: International Student Edition <b>Library:</b></p>	4%
8	UTS	Project Based Learning	<p><b>Criteria:</b> Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Participatory Activities, Practice/Performance</p>	Project Based Learning	Project Based Learning		30%
9	Students are able to analyze the implementation of educational management information systems in the field of student management	<ol style="list-style-type: none"> <li>1.Students are able to analyze educational management information system planning in the field of student management</li> <li>2.Students are able to analyze the organization of educational management information systems in the field of student management</li> <li>3.Students are able to analyze the implementation of educational management information systems in the field of student management</li> <li>4.Students are able to Analyze Supervision of Educational Management Information Systems in the Field of Student Management</li> <li>5.Students are able to analyze the evaluation of educational management information systems in the field of student management</li> <li>6.Students are able to develop educational management information systems in the field of student management</li> </ol>	<p><b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Assessment of Project Results / Product Assessment, Practices / Performance</p>	Project Based Learning/Performance	Project Based Learning/Performance	<p><b>Material:</b> Laudon, CK, &amp; Laudon, PJ (2013). Essentials of Management Information Systems. Pearson Education, Inc. <b>References:</b> <i>Laudon, CK, &amp; Laudon, PJ (2013). Essentials of Management Information Systems. Pearson Education, Inc.</i></p>	4%

10	Students are able to analyze the implementation of educational management information systems in the field of curriculum and learning participant management	<ol style="list-style-type: none"> <li>1. Students are able to Analyze Educational Management Information System Planning in the Field of Curriculum and Learning Participant Management</li> <li>2. Students are able to analyze the organization of educational management information systems in the field of curriculum and learning participant management</li> <li>3. Students are able to analyze the implementation of educational management information systems in the field of curriculum and learning participant management</li> <li>4. Students are able to Analyze Supervision of Education Management Information Systems in the Field of Curriculum and Learning Participant Management</li> <li>5. Students are able to analyze the evaluation of educational management information systems in the field of curriculum and learning participant management</li> <li>6. Students are able to develop an educational management information system in the field of curriculum and learning participant management</li> </ol>	<p><b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b> Practice / Performance</p>	Project Based Learning/Performance	Project Based Learning/Performance	<p><b>Material:</b> Davis, GB and Olson, MH 1984. Management Information Systems: Conceptual Foundation, Structure, and Development. New York: International Student Edition <b>Library:</b></p>	4%
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11	Students are able to analyze the implementation of educational management information systems in the field of human resource management	<ol style="list-style-type: none"> <li>1. Students are able to analyze educational management information system planning in the field of human resource management</li> <li>2. Students are able to analyze the organization of educational management information systems in the field of human resource management</li> <li>3. Students are able to analyze the implementation of educational management information systems in the field of human resource management</li> <li>4. Students are able to Analyze Supervision of Educational Management Information Systems in the Field of Human Resources Management</li> <li>5. Students are able to analyze the evaluation of educational management information systems in the field of human resource management</li> </ol>	<b>Criteria:</b> Score Criteria: Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55	Project Based Learning/Performance	Project Based Learning/Performance	<b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022. <b>References:</b> <i>Almunawar, Mohammad Nabil, Md Zahidul Islam, and Patricia Ordóñez de Pablos, eds. Digitalisation and Organization Design: Knowledge Management in the Asian Digital Economy. Routledge, 2022.</i>	4%
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12	Students are able to analyze the implementation of educational management information systems in the field of financial management	<ol style="list-style-type: none"> <li>1. Students are able to Analyze Educational Management Information System Planning in the Field of Financial Management</li> <li>2. Students are able to analyze the organization of educational management information systems in the field of financial management</li> <li>3. Students are able to analyze the implementation of educational management information systems in the field of financial management</li> <li>4. Students are able to Analyze Supervision of Educational Management Information Systems in the Field of Financial Management</li> <li>5. Students are able to analyze the evaluation of educational management information systems in the field of financial management</li> <li>6. Students are able to develop educational management information systems in the field of financial management</li> </ol>	<b>Form of Assessment :</b> Practice / Performance	Project Based Learning/Performance	Project Based Learning/Performance	<b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022. <b>References:</b> <hr/> <b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022. <b>References:</b>	4%
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13	Students are able to analyze the implementation of educational management information systems in the field of facilities and infrastructure management	<ol style="list-style-type: none"> <li>1. Students are able to analyze educational management information system planning in the field of facilities and infrastructure management</li> <li>2. Students are able to analyze the organization of educational management information systems in the field of facilities and infrastructure management</li> <li>3. Students are able to analyze the implementation of educational management information systems in the field of facilities and infrastructure management</li> <li>4. Students are able to Analyze Supervision of Educational Management Information Systems in the Field of Facilities and Infrastructure Management</li> <li>5. Students are able to analyze the evaluation of educational management information systems in the field of facilities and infrastructure management</li> <li>6. Students are able to develop educational management information systems in the field of facilities and infrastructure management</li> </ol>	<p><b>Criteria:</b>  Score Criteria:  Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b>  Practice / Performance</p>	Project Based Learning/Performance	Project Based Learning/Performance	<p><b>Material:</b> Scott, GM 1986. Principles of Management Information Systems. New York: MacGraw Hill Book Company  <b>Bibliography:</b></p> <hr/> <p><b>Material:</b> Scott, GM 1986. Principles of Management Information Systems. New York: MacGraw Hill Book Company  <b>Bibliography:</b></p>	4%
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14	Students are able to analyze the implementation of educational management information systems in the field of public relations management	<ol style="list-style-type: none"> <li>1. Students are able to Analyze Educational Management Information System Planning in the Field of Public Relations Management</li> <li>2. Students are able to analyze the organization of educational management information systems in the field of public relations management</li> <li>3. Students are able to analyze the implementation of educational management information systems in the field of public relations management</li> <li>4. Students are able to Analyze Supervision of Educational Management Information Systems in the Field of Public Relations Management</li> <li>5. Students are able to analyze the evaluation of educational management information systems in the field of public relations management</li> <li>6. Students are able to develop educational management information systems in the field of public relations management</li> </ol>	<p><b>Criteria:</b>  Score Criteria:  Special: 90-100; Very Good: 76-89; Fair: 56-75; Less: 0-55</p> <p><b>Form of Assessment :</b>  Practice / Performance</p>	Project Based Learning/Performance	Project Based Learning/Performance	<p><b>Material:</b> Scott, GM 1986. Principles of Management Information Systems. New York: MacGraw Hill Book Company  <b>Bibliography:</b></p> <hr/> <p><b>Material:</b> Scott, GM 1986. Principles of Management Information Systems. New York: MacGraw Hill Book Company  <b>Bibliography:</b></p>	4%
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15	Students are able to analyze the implementation of educational management information systems in the field of special service management	<p>1. Students are able to analyze educational management information system planning in the field of special service management</p> <p>2. Students are able to analyze the organization of educational management information systems in the field of special service management</p> <p>3. Students are able to analyze the implementation of educational management information systems in the field of special service management</p> <p>4. Students are able to Analyze Supervision of Educational Management Information Systems in the Field of Special Service Management</p> <p>5. Students are able to analyze the evaluation of educational management information systems in the field of special service management</p> <p>6. Students are able to develop educational management information systems in the field of special service management</p>	<b>Form of Assessment :</b> Practice / Performance	Project Based Learning/Performance	Project Based Learning/Performance	<b>Material:</b> Diah Hidayati, MM Educational Information Systems and Digital Transformation. UAD PRESS, 2022. <b>References:</b>	4%
16	Summative Exam (US)		<b>Forms of Assessment :</b> Project Results Assessment / Product Assessment, Portfolio Assessment, Practice / Performance	Practice/Performance & Portfolio	Practice/Performance & Portfolio		30%

#### Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	27%
2.	Project Results Assessment / Product Assessment	12%
3.	Portfolio Assessment	10%
4.	Practice / Performance	49%
		98%

#### 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.

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.