



UNIVERSITAS NEGERI YOGYAKARTA
POSTGRADUATE DEPARTMENT OF ELECTRONICS AND
INFORMATICS ENGINEERING EDUCATION

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Master of Education in Electronics and Informatics Engineering

MODULE HANDBOOK

Module name:	Information Systems Management
Module level, if applicable:	Postgraduate
Code:	PTI 8205
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	1 th
Module coordinator:	Dr. Priyanto, M.Kom.
Lecturer(s):	Dr. Priyanto, M.Kom.
Language:	Bahasa Indonesia
Classification within the curriculum:	Expertise Courses (EC)
Teaching format / class Hours per week during the semester:	100 minutes lectures and 100 minutes structured activities per week.
Workload:	Total workload is 90.67 hours per semester which consists of 100 minutes lectures, 100 minutes structured activities, and 120 minutes self-study per week for 16 weeks.
Credit points:	2
Prerequisites course(s):	-
Course Learning Outcome (CLO):	<p>After taking this course the students have ability to:</p> <ol style="list-style-type: none"> 1. Conduct studies of the relationship between information systems in organizations; 2. Conduct studies of the information system concept as socio-technical system; 3. Conduct studies on best practices and worst practices in information system development and information system acceptance; 4. Take a contemporary approach in the development of information systems in organizations; 5. Determine alternative management of infrastructure resources; 6. Presenting the results of studies and/or development of information systems as a unit of socio-technical system
Content	<p>This lecture provides a broad view of the problems faced by managers in the selection, use, and management of information technology, particularly Information Systems. Using IT as a tool to implement organizational strategy and gain competitive advantage, not only to support organizational operations. The use of a case study approach, with topics</p>



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	<p>covering information systems technology and strategy, information technology and organization, and information technology asset management. The presentation of this course material focuses on management and technical development approaches to information systems as a socio-technical system. So this course supports and complements general management students who are about IT and for IT students who are about management.</p>																																			
Study/exam achievements:	<p>The course assessment includes knowledge, existing systems analysis skills, the ability to design information systems with a contemporary approach. The next assessment is to be able to communicate these ideas to other parties (stakeholders) effectively through presentations.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;">No</th> <th style="width: 15%;">CLO</th> <th style="width: 30%;">Assessment Object</th> <th style="width: 20%;">Assessment Technique</th> <th style="width: 10%;">Weight</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">CLO1</td> <td>Book chapter and scientific papers</td> <td>Active discussion & Assignment</td> <td style="text-align: center;">10%</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">CLO2</td> <td>Book chapter and scientific papers</td> <td>Active discussion and Assignment</td> <td style="text-align: center;">15%</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">CLO03</td> <td>Media articles and scientific papers</td> <td>Active discussion and Assignment</td> <td style="text-align: center;">15%</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">CLO04</td> <td>Case studies</td> <td>Active discussion and presentation</td> <td style="text-align: center;">25%</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">CLO05</td> <td>Book chapter</td> <td>Assignment</td> <td style="text-align: center;">10%</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">CLO06</td> <td>Case studies</td> <td>Active discussion and presentation</td> <td style="text-align: center;">25%</td> </tr> </tbody> </table>	No	CLO	Assessment Object	Assessment Technique	Weight	1	CLO1	Book chapter and scientific papers	Active discussion & Assignment	10%	2	CLO2	Book chapter and scientific papers	Active discussion and Assignment	15%	3	CLO03	Media articles and scientific papers	Active discussion and Assignment	15%	4	CLO04	Case studies	Active discussion and presentation	25%	5	CLO05	Book chapter	Assignment	10%	6	CLO06	Case studies	Active discussion and presentation	25%
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5	CLO05	Book chapter	Assignment	10%																																
6	CLO06	Case studies	Active discussion and presentation	25%																																

Forms of media:	LCD Projector, Laptop / Computer, White Board, e-learning
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Literature	<ol style="list-style-type: none"> 1) Bui, M.S. (2014). Information Systems Management. Eighth Edition. London: Pearson Education Limited. Elmasri, R dan Shamkant BN. (2015). Fundamentals of Database Systems. Seventh Edition. California: Pearson Education, Inc.; 2) Elmasri, R dan Shamkant BN. (2015). Fundamentals of Database Systems. Seventh Edition. California: Pearson Education, Inc.; 3) Laudon, K.C. and Jane, P. L. (2020). Management Information Systems, Managing the Digital Firm. Sixteenth Edition. London: Pearson Education Limited.; 4) Pressman, R. S. and Maxim, B.R. (2015). Software Engineering, A Practitioner's Approach. Eighth Edition. New York: McGraw-Hill Education. 5) Satzinger, J.W., Jackson, R.B., & Burd, S.D (2016). Systems Analysis and Design in a Changing World. Seventh Edition. John W. Boston: Cengage Learning. 6) Dennis, A. , Wixom, B.H. , and Roth, R.M. (2012). System Analysis and Design. Fifth Edition. Massachusetts: John Wiley & Sons, Inc. 7) Bostrom, R.P. & Heinen, J.S. (1977). MIS Problems and Failures: A Socio-Technical Perspective. Part I: The Causes. MIS Quarterly, September. 8) Relevant Journals
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PLO and CLO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CLO1		✓	✓			✓			✓	
CLO2		✓	✓			✓				✓
CLO3		✓	✓			✓				✓
CLO4		✓	✓			✓			✓	✓
CLO5		✓	✓			✓				
CLO6		✓	✓	✓		✓				✓