
SYLLABUS

Date/ Revision	19 October 2016
Faculty	Business and Social Sciences
Approval	Dr. Samuel Prasetya

SUBJECT : Management Information Systems

1. Identification of Subject:

Name of Subject	: Management Information System
Code of Subject	: MGT-2400
SKS	: 3 SKS
Semester	: 4
Study Program	: B-MGT / B-IBA
Lecturers	: Dr. I Made Artika & Dipl.-Ing Erry G Wiriaatmadja NDS CAD/CAM

2. Competency

After completing the course, students are expected to:

- be able to describe the concept of information systems
- understand the implemented strategy of organisation, competitive advantage and the use of information systems
- be able to describe the knowledge management as a system for sharing knowledge within organisation
- be able to describe the important use of business intelligence and how it is developed
- understand the concepts of e-business and e-commerce
- be able to describe the use of information systems within organisation
- be able to describe a system for managing customer
- be able to describe the use of IT for managing supply chain
- understand how information systems and applications be acquired
- describe IT infrastrucure needed for implementing information systems
- understand social networking for business

3. Description of Subject:

The course is prepared to equip students with fundamentals of information systems used in organisation as strategic components to enable organisation in increasing performance and to support in increasing its competitiveness. The "Information Age" and the role of information in knowledge work. The topics covered in the course:

- Introduction to information systems
- Organisational strategy
- The use of information system within organisation as a strategic plan of organisation development
- Knowledge management and business intelligence
- The concepts of e-business and e-commerce
- The information systems support in managing customer relation and supply chain
- The knowledge how to acquire information systems and application

These topics through in-class presentations, exercises discussions (both face-to-face and online),

readings (from both text and on-line sources), exercises (both individual and group-based), and a variety of graded assignments and tests.

4. Learning Approach

Approach : Combination of expository - inquiry and collaborative
 Method : Discussions, questions/answers, sample problems/cases
 Student Task : Quizzes and group projects/presentation
 Media : LCD projector

5. Evaluation

- a) Absence maximum : 25%
- b) Participation in discussion : 5 points
- c) Homework, Classwork : 5 points
- d) Presentation, Simulation : 10 points
- e) Daily Quiz : 20 points
- f) Final Examination : 60 points

Total : 100 points

6. Contents/ Topics of Lecturing:

Week	Content/ Topics of Lecturing	Text Book Chapter	Remark
1	Introduction to Information Systems <ul style="list-style-type: none"> • The needs of studying information system for non IT professional • Computer based information systems • The impact of information system to the organisation 	Chapter 1	
2	Organisational Strategy , Competitive Advantages, and Information Systems <ul style="list-style-type: none"> • Business pressures, organisational respons, and IT support • Competitive advantage and strategic information systems 	Chapter 2	
3	Data and Knowledge Management <ul style="list-style-type: none"> • Managing data • Database approach • Data warehouse and data marts • Knowledge management <p>Quiz 1 → Week 1 and week 2</p>	Chapter 3	Quiz 1
4	Business Intelligence <ul style="list-style-type: none"> • Decision making processes • The role of business intelligence • Business intelligence applications 	Chapter 5	Home Work
5	e-business and e-commerce <ul style="list-style-type: none"> • Introduction to e-business and e-commerce • Business to Customer (B2C) electronic commerce • Business to Business (B2B) electronic commerce 	Chapter 9	

Week	Content/ Topics of Lecturing	Text Book Chapter	Remark
	<ul style="list-style-type: none"> Legal issues in e-business 		
6	<p>Quiz 2 → Week 3, 4 and week 5</p> <p>Information systems within an organisation</p> <ul style="list-style-type: none"> Transaction processing system Enterprise resources planning (ERP) ERP supports for business processes Functional area of information systems 		Quiz 2
7	<p>Student (group) Presentations</p> <ul style="list-style-type: none"> Each group of student presents 15 - 20 minutes of their topics 		Group work
8	MIDTERM SEMESTER BREAK		
9	<p>Customer Relationship Management (CRM) System</p> <ul style="list-style-type: none"> Defining CRM Operational CRM Systems Analytical CRM Systems Type of CRM systems 	Chapter 12	Home work
10	<p>The role of information systems in managing supply chain</p> <ul style="list-style-type: none"> Understand the supply chains Management of supply chains IT support in managing supply chains 	Chapter 13	
11	<p>Acquiring Information Systems and Applications</p> <ul style="list-style-type: none"> Planning and justifying IT applications Strategic for acquiring IT applications System Development Cycles Vendor and software selection <p>Quiz 3 → Week 9 and week 10</p>	Chapter 11	Quiz 3
12	<p>IT Infrastructure</p> <ul style="list-style-type: none"> Networking Security 	Chapter 4 and Chapter 7	
13	<p>Quiz 4 → week 11 and 12</p> <p>Business Processes and Business Process Management</p> <ul style="list-style-type: none"> Understanding business process Business process reengineering Business Processes Management 	Part IT in 1	Quiz 4
14	<p>Social Computing</p> <ul style="list-style-type: none"> Fundamentals of Social Computing in Business Social Computing in Business: Shopping Social Computing in Business: Marketing Social Computing in Business: CRM Social Computing in Business: HRM 	Chapter 8	
15	Wrap up the whole semester course / Review the		

Week	Content/ Topics of Lecturing	Text Book Chapter	Remark
	Semester		
16	Silent Week		
17 & 18	Final Examination		

Book Reference:

6.1. Main Text Book:

"Management Information Systems 3rd Edition"; Authors: Rainer, Price, and Watson;
Publisher: Wiley; ISBN: 978-1-118-89538.

6.2. Supplement Textbooks:

6.2.1. *"Business Information Systems"*; Author: Elizabeth Hardcastle; Publisher:
Bookboon; ISBN: 978-87-7682-463-2

6.2.2. *"e-commerce tutorial"*; Author:Tutorials Point (I) Pvt. Ltd; Publisher:
www.tutorialspoint.com

6.2.3. *"Fundamental of Supply Chain Management";* Author: Dr. Dawei Lu; Publisher:
Bookboon; ISBN: 978-87-7681-798-5

6.2.4. *"Business Information Management"*; Authors: Benson V, Triber K.; Publisher:
Bookboon; ISBN: 978-87-7681-413-7