

SYLLABUS

Date / Revision 19 Oct 2016/20 Aug 2017/SaT/ /07 Feb 2018/EGW 19-02-2019/EGW
Faculty Business and Social Sciences/Engineering
Study Program IBA/MGT/HTM/INE

SUBJECT: Management Information Systems

1 Basic Information

1.01	Subject Name	Management Information Systems
1.02	Semester	6
1.03	Level	1
1.04	SKS	3
1.05	Mandatory / Curriculum	F-10
1.06	Subject Code	MINS
1.07	Subject Code	BSS-F-MINS-3000
1.08	Year	2017 (7)
1.09	Quality Control	Final Test, OFSE, see evaluation
1.10	Limitations	Min 12 and Max 32 students in one class
1.11	Combined with	MGT, IBA, HTM. INE
1.12	Prerequisite	Business Management 1, Business Management 2, Computer Networking & IT Security
1.13	Responsible	Erry G Wiriaatmadja
1.14	Revision	20-08-2017/SaT – Revision 1 (08-02-2018/EGW) – Revision 2 (19-02-2019/EGW)

2 Description of Subject

The course is prepared to equip students with (i) fundamentals of information systems used in organisation as strategic components to enable organisation in increasing performance and to support in increasing its competitiveness, and (ii) the knowledge on how to develop information security plan.

3 Objectives

- Introduction to information systems
- Information Concepts

- Foundations of information system in business
- Organizational Information System
- Information Technology Concepts
- Database Management System
- Business Information System
- Acquiring Information System and Applications
- System Development Life Cycle
- Information System Security

4 Competency

- After having the course, students are expected to:
- be able to describe the concept of information systems
 - understand the development of information system
 - be able to describe the role of information systems in business
 - be able to describe the use of IT infrastructure for data communication
 - understand how information systems and applications be acquired
 - be able to develop simple information system security plan

5 Learning Approach / Methodology

- Lectures/ Class contact (time-tabled) supplemented with interactive questions and answers;
- Discuss and describe the solution of the problem in the company;
- Tutorial/Laboratory/Practice Classes: preview of materials, revision and/or reports writing;
- Student Study Effort: homework/assignment; preparation for test/quizzes/ examination.

6 Evaluation

5.1	Absence maximum	25%
5.2	Participation in Discussion	05 Points
5.3	Homework / Classwork	05 Points
5.4	Presentation /Simulation	10 Points
5.5	Daily Quiz	20 Points
5.6	Final Examination	60 Points
	Total	100 Points

7 Text Book and Reference

1	Main Textbooks: (i) Principles of Information Systems A Managerial Approach, Ralph M. Stair and George W. Reynolds, (ii) Management Information Systems: James A. O'Brien and George M. Marakas , (iii) Introduction to Information Systems, R. Kelly Rainer Jr. and Casey G. Cegielski,
2	Supplement Textbooks: (iv) Database Management System Tutorialpoints, (v) SDLC Tutorialpoints (vi) Small Business Information Security: The Fundamentals; Celia Paulsen, Patricia Toth

8	Content / Topics of Lecture
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Week	Content/ Topics of Lecturing	Text Book Chapter	Remark
1	<ul style="list-style-type: none"> Introduction to MIS and Information Concepts Exercise: Understanding Information Concepts 	Chapter 1: Principles of Information Systems A Managerial Approach, Ralph M. Stair and George W. Reynolds	
2	<ul style="list-style-type: none"> Foundations of information system in business Exercise: Understanding how retail shop uses information system 	Chapter 1: Management Information Systems: James A. O'Brien and George M. Marakas	
3	<ul style="list-style-type: none"> Quiz 1 Discussion: Understanding how retail shop uses information system 		
4	<ul style="list-style-type: none"> Organizational Information System Exercise on Organizational Information System 	Chapter 8: Introduction to Information Systems, R. Kelly Rainer Jr. and Casey G. Cegielski	
5	<ul style="list-style-type: none"> Discussion: Organizational Information System Information Technology Concepts 	Part 2: Principles of Information Systems A Managerial Approach, Ralph M. Stair and George W. Reynolds	
6	<ul style="list-style-type: none"> Quiz 2 Exercise: Information Technology Concepts e-marketplace 		
7	<ul style="list-style-type: none"> Database Management System Exercise: Understanding Database → data elements of HSR information system 	Database Management System Tutorialpoints	
8	<ul style="list-style-type: none"> Midterm Break 		
9	<ul style="list-style-type: none"> Business Information System Exercise: Information System for Retail Shop 2 	Part 3: Principles of Information Systems A Managerial Approach, Ralph M. Stair and George W. Reynolds	
10	<ul style="list-style-type: none"> Discussion on Information System for Retail Shop 2 Acquiring Information System and Applications 	Chapter 12: Introduction to Information Systems, R. Kelly Rainer Jr. and Casey G. Cegielski	
11	<ul style="list-style-type: none"> Quiz 3 Exercises: Acquiring Information Systems 	SDLC Tutorialpoints	
12	<ul style="list-style-type: none"> System Development Life Cycle 		

Week	Content/ Topics of Lecturing	Text Book Chapter	Remark
	<ul style="list-style-type: none"> Exercise: System Requirements 		
13	<ul style="list-style-type: none"> Information System Security Exercise: Development of Information Security Plan 	Small Business Information Security: The Fundamentals; Celia Paulsen, Patricia Toth	
14	<ul style="list-style-type: none"> Quiz 4 Discussion on Exercise: Development of Information Security Plan 		
15	<ul style="list-style-type: none"> Wrap-up session Discussion of Final Examination 		
	Silent Week		
	Final Examination		