

UNIVERSITAS MATARAM

(University of Mataram)

FAKULTAS TEKNIK

(Faculty of Engineering)

PROGRAM STUDI TEKNIK INFORMATIKA

(Department of Informa cs Engineering)

MODULE HANDBOOK DESCRIPTION

Informa on System (W22B35)

internal en system (W22565)		
Module designa on	Informa on System	
Semester(s) in which the module is taught	3 / fourth year	
Person responsible for the module	Nadiyasari Agitha, S.Kom., M.MT Noor Alamsyah, S.T., M.T	
Language	Indonesian	
Rela on to curriculum	Compulsory	
Teaching methods	Lectures, Discussions, Project	
Workload (incl. contact hours, self-study hours)	Contact Hours every week, each week of the 16 weeks/semester including Evalua on 3 x 50 minutes lecturer/week 150 minutes class exercise/week Self Study hours = 180 minutes/week Midterm Exam = 80 minutes Final Exam = 80 minutes Total workload 114,67 hours/semester	
Credit points	3 (~ 4,59 ECTS)	
Required and recommended prerequisites for joining the module	Informa on Technology Introduc on	

Module objec ves/intende d learning outcomes	 In this course, students are expected to be able to: Understand the concept of System, Informa on, Data, and Informa on System Components based on a predetermined reference book. (CPMK1) Understand the importance of Informa on Systems in Companies and or Organiza ons. (CPMK 1, CPMK 2) Applying Computers as the basis for the use of Informa on Systems (CPMK2) Analyzing various Enterprise or Organiza onal Informa on System architectures (CPMK 2) Choosing a system development method that fits the requirements of a company or organiza on informa on system (CPMK2, CPMK3) Analyzing Company or Organiza onal Informa on System facts for Requirements Discovery (CPMK 3) Evalua ng the tests used in the Feasibility Check Point in the Company or Organiza onal Informa on System (CPMK3, CPMK4) Able to design a company or organiza on informa on system in accordance with previously designed requirements (CPMK4)
Content	This course aims to enable students to design Informa on Systems by analyzing IS problems and needs, projec ng designs (both ERD, UML and Prototype designs), implemen ng them into a user interface and tes ng Informa on Systems. This course discuss: Informa on System Concept, Documents regarding the importance of Informa on Systems, Computers as the basis for the use of Informa on Systems, Informa on System Architecture, System development methods in an informa on system in a company or organiza on, Facts to support requirements discovery, Feasibility Check Point and Design of informa on systems in the form of interfaces and prototypes.
Examina on forms	Assignments, Quiz, Project (Oral Presenta on)
Study and examina on requirements	Assignments 20%, Quiz 35%, Project 45%

Reading list

- 1. Arisandy, Yosy. 2017. Sistem Informasi Manajemen. Pustaka Pelajar.
- Davis, Mc.Graw Hill. 1992. Management Informa on System: Conceptual and Development. Minnesota University.
- 3. Di man. 2004. System Analysis Design and Methods, 6 th edi on. Mc Graw Hill.
- 4. Du Toit, Erasmus, Strydom. 2007. Introduc on to Business Management. Oxford University Press
- 5. L.Dun, McGrawHill. 2005. Eterprise Informa on System. Hollander
- Laudon, Kenneth C & Laudon, jane P. 2004
 Management Informa on Systems: Organiza on and Technology in the Network Enterprise. Pren ce –Hall
- 7. Laudon. 2012. Management Informa on Systems, 12 th edi on. Pren ce Hall.
- 8. Mc.Leod, Jr.. 2001. Management Informa on System. Pren ce Hall
- 9. McLeod Jr. & Schell. 2001. Management Informa on Systems, ed 8. Pren ce Hall.
- 10. Informa on Systems: What Every Business Student Needs to Know, Second Edi on (Chapman & Hall/CRC Textbooks in Compung) 2nd Edi on
- 11. Systems Analysis and Design (MindTap Course List) 12 th Edi on