



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)

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 objectives/intended learning outcomes	In this course, students are expected to be able to: 1. Understand the concept of System, Information, Data, and Information System Components based on a predetermined reference book. (CPMK1) 2. Understand the importance of Information Systems in Companies and or Organizations. (CPMK 1, CPMK 2) 3. Applying Computers as the basis for the use of Information Systems (CPMK2) 4. Analyzing various Enterprise or Organizational Information System architectures (CPMK 2) 5. Choosing a system development method that fits the requirements of a company or organization information system (CPMK2, CPMK3) 6. Analyzing Company or Organizational Information System facts for Requirements Discovery (CPMK 3) 7. Evaluating the tests used in the Feasibility Check Point in the Company or Organizational Information System (CPMK3, CPMK4) 8. Able to design a company or organization information system in accordance with previously designed requirements (CPMK4)
Content	This course aims to enable students to design Information Systems by analyzing IS problems and needs, projecting designs (both ERD, UML and Prototype designs), implementing them into a user interface and testing Information Systems. This course discusses: Information System Concept, Documents regarding the importance of Information Systems, Computers as the basis for the use of Information Systems, Information System Architecture, System development methods in an information system in a company or organization, Facts to support requirements discovery, Feasibility Check Point and Design of information systems in the form of interfaces and prototypes.
Examination forms	<i>Assignments, Quiz, Project (Oral Presentation)</i>
Study and examination requirements	<i>Assignments 20%, Quiz 35%, Project 45%</i>

Reading list	1. Arisandy, Yosy. 2017. Sistem Informasi Manajemen. Pustaka Pelajar. 2. 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 6. Laudon, Kenneth C & Laudon, jane P. 2004. Management Informa on Systems : Organiza on and Technololgy 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 Compu ng) 2nd Edi on 11. Systems Analysis and Design (MindTap Course List) 12 th Edi on
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