UNIVERSITAS MATARAM
(University of Mataram)
FAKULTAS TEKNIK
(Faculty of Engineering)
PROGRAM STUDI TEKNIK INFORMATIKA
(Department of Informatics Engineering)

MODULE HANDBOOK DESCRIPTION

Information System (W22B35)

Module designation	Information 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*
Relation 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 Evaluation ● 3 x 50 minutes lecturer/week ● 3 x 60 minutes class exercise/week ● Self Study hours = 180 minutes/week Total workload 480 minutes/week
Credit points	*3 (~ 4,8 ECTS)*
Required and recommended prerequisites for joining the module	*Information Technology Introduction*

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 discuss : 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	*Assignments, Quiz, Project (Oral Presentation)*
Study and examination requirements	*Assignments 20%,* *Quiz 35%,* *Project 45%*

Reading list	1. Arisandy, Yosy. 2017. Sistem Informasi Manajemen. Pustaka Pelajar. 2. Davis, Mc.Graw Hill. 1992. Management Information System : Conceptual and Development. Minnesota University. 3. Dittman. 2004. System Analysis Design and Methods, 6th edition. Mc Graw Hill. 4. Du Toit, Erasmus, Strydom. 2007. Introduction to Business Management. Oxford University Press 5. L.Dun, McGrawHill. 2005. Eterprise Information System. Hollander 6. Laudon, Kenneth C & Laudon, jane P. 2004. Management Information Systems : Organization and Technololgy in the Network Enterprise. Prentice –Hall 7. Laudon. 2012. Management Information Systems, 12th edition. Prentice Hall. 8. Mc.Leod,Jr.. 2001. Management Information System. Prentice Hall 9. McLeod Jr. & Schell. 2001. Management Information Systems, ed 8. Prentice Hall. 10. Information Systems: What Every Business Student Needs to Know, Second Edition (Chapman & Hall/CRC Textbooks in Computing) 2nd Edition 11. Systems Analysis and Design (MindTap Course List) 12th Edition