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

MODULE HANDBOOK DESCRIPTION

Enterprise Information System (P22C12)

Module designation	Enterprise Information System
Semester(s) in which the module is taught	*5 / third year*
Person responsible for the module	*Ariyan Zubaidi, S.T., M.T.*
Language	*Indonesian*
Relation to curriculum	*Compulsory*
Teaching methods	*Lectures, Discussions, Case Studies, Project*
Workload (incl. contact hours, self-study hours)	Contact Hours every week, each week of the 16 weeks/semester including Evaluation 2 x 50 minutes lecturer/week 2 x 60 minutes class exercise/week - Self Study hours = 120 minutes/week Total workload 340 minutes/week
Credit points	*2 (~ 3,2 ECTS)*
Required and recommended prerequisites for joining the module	-

Module objectives/intended learning outcomes	This course is designed to provide students with a comprehensive understanding of Enterprise Information Systems (EIS), their role in organizations, and the challenges involved in managing them. Additionally, students will be introduced to Enterprise Architecture (EA) and commonly used frameworks in organizations worldwide. The course also covers the concepts of Enterprise Resource Planning (ERP) and its implementation in businesses.
Content	1. Introduction to Enterprise Information Systems (EIS) 2. Enterprise Architecture (EA) and Frameworks 3. Enterprise Resource Planning (ERP) 4. EIS Implementation and Challenges 5. EIS and Data Management 6. Enterprise System Design and Development 7. ERP Implementation Strategies 8. Case Studies in Enterprise Systems 9. Emerging Trends in Enterprise Systems 10. Final Project
Examination forms	*Assignments, Quizzes, Case Studies, Final Project*
Study and examination requirements	*Assignments: 15%* *Quizzes: 20%* *Case Studies: 30%* *Final Project: 35%*
Reading list	1. Laudon, K. C., & Laudon, J. P. (2020). Management Information Systems: Managing the Digital Firm (16th Edition). Pearson. 2. Bernard, S. A. (2020). An Introduction to Enterprise Architecture. AuthorHouse. 3. Scheer, A. W. (2018). ARIS — Business Process Frameworks. Springer. 4. Monk, E., & Wagner, B. (2019). Concepts in Enterprise Resource Planning (4th Edition). Cengage Learning. 5. The Open Group. (2021). TOGAF Standard, Version 9.2. The Open Group.