UNIVERSITAS MATARAM

(University of Mataram)

FAKULTAS TEKNIK

(Faculty of Engineering)

PROGRAM STUDI TEKNIK INFORMATIKA

(Department of Informatics Engineering)

MODULE HANDBOOK DESCRIPTION

GEOGRAPHIC INFORMATION SYSTEM (P22A10)

Module designation	*Geographic Information System*
Semester(s) in which the module is taught	*7 / fourth year*
Person responsible for the module	*Gibran Satya Nugraha, S.Kom., M.Eng*
Language	*Indonesian*
Relation to curriculum	*Preferences*
Teaching methods	*Lectures, Discussions, Project*
Workload (incl. contact hours, self-study hours)	Contact Hours every week, eachweek of the 16 weeks/semester including Evaluation ● 2 x 50 minutes lecturer/week ● 120 minutes class exercise/week ● Self Study hours = 120 minutes/week ● Midterm Exam = 60 minutes ● Final Exam = 75 minutes Total workload 81,58 hours/semester
Credit points	*2 (~ 3,26 ECTS)*
Required and recommended prerequisites for joining the module	-

Module objectives/intended learning outcomes	Geographic Information System is a computer system used to enter, store, examine, integrate, manipulate, analyze, and display data related to positions on the earth's surface. In this course, you will learn about map digitization, joining map tabular and spatial data. Based on these main objectives, the Professional Ethics courses have subject learning outcomes, namely: 1. Able to understand about how Geographic Information System work, tabular data, and spatial data 2. Able to implement join between tabular data and special data
Content	Geographic Information System is a computer system used to enter, store, examine, integrate, manipulate, analyze, and display data related to positions on the earth's surface. In this course, you will learn about map digitization, joining map tabular and spatial data.
Examination forms	*Assignments, Quiz, Assessment, Project (Oral Presentation)*
Study and examination requirements	*Assignments 20%,* *Quiz 25%,* *Project 55%*
Reading list	1. The Geospatial Desktop by Gary Sherman 2. GIS For Dummies 1st Edition by Michael N. DeMers 3. Getting to Know Web GIS 5th Edition, Kindle Edition by Pinde Fu