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

MODULE HANDBOOK DESCRIPTION

Engineering Economy (P22C03)

Module designation	Engineering Economy
Semester(s) in which the module is taught	*7 / fourth year*
Person responsible for the module	*Nadiyasari Agitha, S.Kom., M.MT*
Language	*Indonesian*
Relation to curriculum	*Preferences*
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 ● 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	*Information System, Software Development Project*

Module objectives/intended learning outcomes	In this course, students are expected to be able to: 1. Responsible and professional in knowing the components that make up the Engineering Economy 2. Able to communicate and build a team in carrying out financial planning in the present and the future 3. Able to run a business by performing technical economic calculations that are profitable for the business 4. Able to master local problems around by applying business ventures that have been calculated based on engineering economics
Content	This course aims to enable students to analyze the needs of a project or company by observing future value, present value, annual value, Net Present Value, BEP analysis, sensitivity analysis and forecasting inflation.
Examination forms	*Assignments, Quiz, Project (Oral Presentation)*
Study and examination requirements	*Assignments 20%,* *Quiz 35%,* *Project 45%*
Reading list	1. Chand S. Park, Contemporary Engineering Economics, 6th Edition, Oxford University Press, 2016. 2. Donald G. Newnan, Jerome P. lavelle, Engineering Economy Analysis, 12th Edition, Pearson, 2013. 3. Fundamentals of Engineering Economic Analysis 2nd Edition