



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

MODULE HANDBOOK DESCRIPTION

File System (W22B45)

Module designation	File System
Semester(s) in which the module is taught	<i>4 / fourth year</i>
Person responsible for the module	<i>Moh. Ali Albar, S.T., M.Eng.</i>
Language	<i>Indonesian</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lectures, Discussions, Project</i>
Workload (incl. contact hours, self-study hours)	<p>Contact Hours every week, each week of the 16 weeks/semester including Evaluation</p> <ul style="list-style-type: none"> ● 3 x 50 minutes lecturer/week ● 3 x 60 minutes class exercise/week ● Self Study hours = 120 minutes/week <p>Total workload 450 minutes/week</p>
Credit points	<i>3 (~ 4,8 ECTS)</i>
Required and recommended prerequisites for joining the module	Information Technology Introduction and Database System

Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Mastering, analyzing and applying the basic concepts of file and file organization 2. Mastering, analyzing and applying the principles of collision management 3. Mastering, analyzing and applying the principles of record sorting algorithms
Content	This course provides an explanation of the basic concepts of files, Blocking and buffering, Data storage, Primary file organization, Direct files, Collision management, Indexed sequential file organization, Indexed files, and Sorting records.
Examination forms	<i>Assignments, Quiz</i>
Study and examination requirements	<i>Assignments 18%, Quiz 82%</i>
Reading list	<ol style="list-style-type: none"> 1. Wahyuni, Sistem Berkas, Edisi 1, Yogyakarta: Andi Offset, Januari 2013. 2. D. Handayani, Sistem Berkas, Edisi 1, Yogyakarta: J & J Learning, Maret 2001.