UIN SUNAN KALIJAGA YOGYAKARTA
FACULTY OF SCIENCE AND TECHNOLOGY
Jl. Marsda Adisucipto Yogyakarta 55281, Telp:+62274519739, Fax:+62274540971,
E-mail: fst@uin-suka.ac.id, website: http://saintek.uin-suka.ac.id/

Undergraduate Programme in Physics

Telp : +62274 519739
Email : fisika@uin-suka.ac.id
Website : https://fisika.uin-suka.ac.id/

MODULE HANDBOOK

Module Name	Management of Instrumentation Project
Module level, if applicable	Bachelor
Code, if applicable	FIS425049
Subtitle, if applicable	-
Courses, if applicable	Management of Instrumentation Project (Manajemen Proyek Instrumentasi)
Semester(s) in which the module is taught	6th (sixth)
Person responsible for the module	Chair of Instrumentation Interest Area
Lecturer(s)	Frida Agung Rakhmadi, S.Si., M.Sc and Rochan Rifai, S.Si., M.Sc.
Language	Indonesia
Relation to curriculum	Elective course in the third year (6th semester) Bachelor Degree
Type of teaching, contact hours	150 minutes lectures and 180 minutes structured activities per week.
Workload	Total workload is 136 hours per semester, which consists of 150 minutes lectures per week for 14 weeks, 180 minutes structured activities per week, 180 minutes individual study per week, in total is 16 weeks per semester, including mid exam and final exam
Credit points	3
Requirements according to the examination regulations	Minimum attendance 75% All assignments must be submitted before the exam
Recommended prerequisites	No prerequisites stated on
Module objectives/intended learning outcomes	After completing this course, the students: CO 1 Understanding concepts and definitions of general projects CO 2 Understanding concepts and definitions of instrumentation projects CO 3 Understanding the life cycle of general projects CO 4 Understanding and implementing the life cycle of instrumentation projects CO 5 Understanding the organization of general projects CO 6 Understanding and implementing the organization of instrumentation projects CO 7 Designing and building a instrumentation project
Content	a. Concept and definitions of general projects b. Concept and definitions of instrumentation projects c. The life cycle of general projects d. The life cycle of instrumentation projects e. The organization of general projects f. Management and organization of instrumentation projects g. Design and implementation of instrumentation projects
Study and examination requirements and forms of examination	The final mark will be weighted as follows:

NO	Assessment methods (components, activities)	Weight (percentage)
1	Final Examination	30%

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	2 Mid-Term Examination 30% 3 Class Activities : Quiz, Homework, etc. 40% The final assessment is expressed in the form of a letter value converted from a number value with the following categories:

NO	Number Value	Letter Value	NO	Number Value	Letter Value
1	≥ 95	A	7	65-69.99	B/C
2	90-94.99	A-	8	60-64.99	C+
3	85-89.99	A/B	9	55-59.99	C
4	80-84.99	B+	10	50-54.99	C-
5	75-79.99	B	11	55-34.99	D
6	70-74.99	B-	12	<35	E

Media employed	White-board, Lcd Projector, e-learning (https://daring.uin-suka.ac.id/)
Reading list	1. Lewis J.P., 1991, Project Planning, Scedulling and Control, A Hand-On Guide Bringing Project On Time and On Budget, Probus Publishing Co 2. Soeharto, Iman, 1995, Manajemen Proyek Dari Konseptual Sampai Operasional, Penerbit Erlangga, 3. Shtub A., Bard JF., Globerson S., 1994, Project Manajemen, Engineering, Technology, and Implementation, Prentice Hall Inc.

PLO and CO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
CO 1			√						
CO 2			√						
CO 3			√						
CO 4			√	√					
CO 5			√						
CO 6			√	√					
CO 7			√	√	√				