

UNIVERSITAS NEGERI YOGYAKARTA POSTGRADUATE PROGRAM DEPARTMENT OF ELECTRONICS AND INFORMATICS ENGINEERING EDUCATION

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Master of Education in Electronics and Informatics Engineering

MODULE HANDBOOK

Module name:	Manajemen Proyek Perangkat Lunak (Project Management Software)				
Module level, if applicable:	Postgraduate				
Code:	PTI 8215				
Sub-heading, if applicable:	-				
Classes, if applicable:	-				
Semester:	3 rd				
Module coordinator:	Dr. Ratna Wardani, S.Si, M.T.				
Lecturer(s):	Dr. Ratna Wardani, S.Si, M.T.				
Language:	Bahasa Indonesia				
Classification within the	Concentration Courses				
curriculum:					
Teaching format / class	100 minutes lectures and 120 minutes structured activities per				
Hours per week during the	week				
semester:	WEEK.				
	Total workload is 90,67 hours per semester which consists of				
Workload:	100 minutes lectures, 120 minutes structured activities, and				
	120 minutes self-study per week for 16 weeks				
Creditpoints:	2				
Prerequisites course(s):	-				
Course outcomes:	After taking this course the students have ability to: CO1. Integrate the knowledge and competences to manage an				
	Industrial Software Project and also a Research and				
	development one.				
	CO2. Capable to define the key items and elements of Software				
	Project management.				
	CO3. Capable to identify the main process groups in Software				
	Project Management				

	CO4. Understand and analyze the basic tools to manage the time,						
	cost, risk and quality in Software Project Management						
	CO5. Capable to check, control, and audit industrial Software						
	Project Management						
	CO6. Excellent to present and defend both orally and in written						
	the scheduling and execution of a Software Proje						
	Management						
Content:	This course provides concepts and applications of Project Management Software which include: Basic concepts, Life Cycle of a Project, Project Planning, Project Analysis (Estimation of Time; Costs and Resources; Scheduling Project Work; Critical Path Method (CPM); Assignment Resources to Tasks), Project Execution, Project Monitoring and Control, Project Documentation.						
	and commitment) in doing the assignment or tasks. Assessment for the level of understanding of the course material with the provision of certain assignments (work task and practical application /case study) that are presented and discussed. A knowledge assessment can be based on observation of completing work tasks or process and engagement in a team activity (discussion, presentation, group work). Skill assessment can be based on the completion of a case study. The final mark will be weight as follow:						
Study/exam	No	СО	Assessment	Assessment	Weight		
achievements:			Object	Technique			
	1	CO1	Application	Project Based Assignment	30%		
	2	CO2	Understandin g of concepts	Work Group Task	10%		
	3	CO3	Teamwork Collaboration Skill		10%		
	4	CO4	Understandin		10%		
	5	5 CO5 g of concept			10%		
	6 CO6 Presentation Pr and an Discussion			Presentation and Discussion	30%		
				Total	100%		
Forms of media:	Computer/Laptop, Software Presentation, LCD Projector						

	1. Teresa Luckey, and Joseph Phillips. 2006. Software Project
Litoraturo:	Management for Dummies (ebook). Willey Publishing, Inc.
	2. Dan Brandon. 2006. Software Project Management for
	Modern Information Systems (ebook). the United States of
	America by IRM Press
	3. Cynthia Snyder Dionisio. 2019. Project 2019 For Dummies
	(ebook). John Wiley & Sons, Inc
	4. Dimitrov, D. 2020. Software Project Estimation:
	Intelligent Forecasting, Project Control, And Client
	Relationship Management. Apress.
	5. Lee, R. 2020. Software Engineering Research,
	Management and Applications. Springer International
	Publishing.
	6. Pant. M., Sharma, T.K., Basterrech, S., Baneriee, C. 2020.
	Performance Management of Integrated Systems and its
	Applications in Software Engineering, Springer Singapore.
	7. Wright J. 2020. Scrum: The Complete Guide to the Agile
	Project Management Framework that Helps the Software
	Development Lean Team to Efficiently Structure and Simplify
	the Work & Solve Problems in Half the Time
	8 Campbell & Alex 2020 Agile: Essentials of Team and Project
	Management Manifesto for Agile Software Development
	Wagenblatt T 2010, Seftware Product Management: Einding
	the Pight Palance for VourProduct Inc. Springer International
	10 Cochmon & Manvin 2010 Project management of large
	10. Geominan & Marvin. 2019. Project management of large
	development process. CPC Proce
	44 Mohmood 7 2017 Coffware Design Monorant for
	T1. Manmood, Z. 2017. Software Project Management for
	Distributed Computing: Life-Cycle Methods for Developing
	Scalable and Reliable Tools. Springer International
	Publishing.

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CO1	✓								✓	
CO2		√	✓							
CO3		√	✓							
CO4		√	✓							
CO5		√	✓							
CO6	✓								√	