

**UNDERGRADUATE PROGRAM IN COMPUTER SCIENCE  
DEPARTMENT OF COMPUTER SCIENCE AND ELECTRONICS  
FACULTY OF MATHEMATICS AND NATURAL SCIENCES  
UNIVERSITAS GADJAH MADA**

<b>Module name</b>	<b>IT Project Management</b>	
Module level	Undergraduate and Master	
Code	MMI-4513	
Courses (if applicable)	IT Project Management	
Semester	Winter (Genap)	
Contact person	Azhari, Dr., MT	
Lecturer	Azhari, Dr., MT	
Language	Bahasa Indonesia and English	
Relation to curriculum	<ol style="list-style-type: none"> <li>1. Undergraduate degree program, compulsory 6<sup>th</sup> semester.</li> <li>2. International Undergraduate degree program, compulsory 6<sup>th</sup> semester.</li> <li>3. Master degree program, compulsory for specialization magister management, elective for others, 3<sup>rd</sup> semester</li> </ol>	
Type of teaching, contact hours	<ol style="list-style-type: none"> <li>1. Undergraduate degree program: lectures, &lt; 60 students</li> <li>2. International undergraduate program: lectures, &lt; 30 student.</li> <li>3. Master degree program: lectures, &lt; 25 students.</li> </ol>	
Workload	<ol style="list-style-type: none"> <li>1. Lectures: 3 x 50 = 150 minutes (2.5 hours) per week.</li> <li>2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week.</li> <li>3. Private study: 3 x 60 = 180 minutes (3 hours) per week.</li> </ol>	
Credit points	3 credit points (sks).	
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.	
Recommended prerequisites	Software Development	
Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:	
	<b>CO1.</b> be able to explain the characteristics of information technology projects, project life cycle, manage the selection of individual projects or portfolios of projects in the enterprise	PLO2
	<b>CO2.</b> understand the effective organizational leadership, communication, project manager, and change skills for managing projects, project teams, and stakeholders.	PLO6
	<b>CO3.</b> understand the importance of good human resource management on organizational projects, including the current state and future implications of human resource management for information technology projects.	PLO4
	<b>CO4.</b> be able to apply an appropriate approach to plan a new information technology project by planning activities that estimated suitable budgets and costs, timelines, also implement processes for successful resource, risk and change management	PLO3

	<p><b>CO5.</b> understand to demonstrate the effective project execution, control and monitoring of on going project by applying an earned value analysis method to assess the performance of succesfull project</p> <p><b>CO6.</b> understand the importance of project quality management for information technology products and services</p> <p><b>CO7.</b> be able to indentify and measure the various potential risks facing of a new information technology project.</p> <p><b>CO8.</b> understand the importance of project prorerement management and the increasing use of outsourcing for information technology projects.</p> <p><b>CO9.</b> be able to use a project management software to help plan and manage information technology projects</p>	<p>PLO4</p> <p>PLO3</p> <p>PLO3</p> <p>PLO8</p> <p>PLO3</p>
Content	The course discusses the general stages of a project sistematically order and describes how the stages interrelate in information technology projects. Basic principles of project management, such as work breakdown structure, scheduling, cost management, earned value analysis, human resource and team bulding, stakeholders, and risk management, including software supported tools are introduced.	
Study and examination requirements and forms of examination	Mid-terms examination and Final examination.	
Media employed	LCD, blackboard, websites, and model checker tools.	
Assessments and Evaluation	<p><b>CO1</b> problem 1 in midterm (5%)</p> <p><b>CO2</b> problem 2 in midterm (5%)</p> <p><b>CO3</b> problem 3 in midterm (10%)</p> <p><b>CO4</b> problem 4 in midterm (10%)</p> <p><b>CO7</b> problem 1 in final term (2.5%)</p> <p><b>CO6</b> problem 2 in final term (5%)</p> <p><b>CO5</b> problem 3 in final term (7.5%)</p> <p><b>CO8</b> problem 4 in final term (10%)</p> <p><b>CO9</b> problem 5 in final term (10%)</p> <p><b>CO1</b> assignment 1 in assignment (7.5%)</p> <p><b>CO9</b> assignment 2 in assignment (7.5%)</p> <p><b>CO3</b> project portfolio proposal in project (5%)</p> <p><b>CO5</b> project evaluation &amp; monitoring in project (5%)</p> <p><b>CO2</b> project (seminar &amp; presentation) in presentation (5%)</p> <p><b>CO8</b> quiz &amp; class discussion in group discussion (5%)</p>	
Reading List	<p>1. Kathy Schwalbe, Information Technology Project Management, REVISED Sixth Edition, 2011 Course Technology, Cengage Learning</p> <p>2. Some paper international on DSS theory and application.</p>	