

## Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Data Science Undergraduate Study Program

Document Code

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	SEMESTER LEARNING PLAN												
Courses		CODE		Cours Famil		Cred	Credit Weight		SEMES	TER	Compilati Date	on	
Device Embedding System			49202	03041			T=1	P=1	ECTS=3.18	5		July 18, 20	)24
AUTHOR	IZATIO	N	SP De	SP Developer			ourse Cluster oordinator			Study Program Coordinator			
									Yuliani Puji Astuti, S.Si., M.Si.				
Learning Project Based Learning model													
Program		LO stud	ly progra	n that is chai	rged to	o the c	ourse	е					
Learning		rogram	Objective	es (PO)									
(PLO)	PI	PLO-PO Matrix											
		P.O											
	P	PO Matrix at the end of each learning stage (Sub-PO)											
			P.O				Week						
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Short Course Description This course is included in the scientific realm of telematics, namely computer organization architecture. It can be said that an embedded system is a special case of a computer system. So are given an explanation about embedded system devices in everyday life. For example, in where is a distance meter between the vehicle and obstacles around it, a digital camera system includes a special device for autofocus.						stem. Stude Ile, in vehic	ents cles						
Reference	ces M	ain :											
		1.											
		<ol> <li>F. Vahid and T. Givargis, Embedded System Design: A Unified Hardware/Software Introduction, John Wiley &amp; Sons, 2002.</li> <li>W. Wolf, Computers as Components: Principles of Embedded Computing System Design, Morgan Kaufman Publishers, 2004.</li> </ol>											
	Sı	Supporters:											
Supporting lecturer													
Week-	Final abilities of each learning stage (Sub-PO)		Indicator	valuation Criteria & Fo		Stu	earnin dent / Estin	Assigi nated	thods, nments,	Learn mater [ Referer	ials	Assessm Weight (	
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Evaluation Percentage Recap: Project Based Learning

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## Notes

- Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- 2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.