

Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Physics Education Undergraduate Study Program

Document Code

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			SE	MESTE	R LE	ARNII	ΝG	PLAN		
Courses			CODE		Course Family	Cred	lit Wei	ight	SEMESTER	Compilation Date
Basic Ele	ectro	nics I	84203	02237		T=2	P=0	ECTS=3.18	3	July 17, 2024
AUTHOR	IZAT	ION	SP De	veloper		Course C		r	Study Progra Coordinator	am
										ryani, M.Pd., n.D.
Learning model		Project B	ased Learn	ning						
Program		PLO stud	dy progran	n that is char	ged to t	he cours	9			
Learning		Program	Objective	s (PO)						
(PLO)		PLO-PO	Matrix							
			F	P.O						
		PO Matri	x at the er	nd of each lea	rning s	tage (Sub	-PO)			
			P.O	1 2 3 4	5 6	5 7 8	Wee	k 10 11 12	2 13 14	15 16
Short Course Descript	ion	The Basic field effect	: Electronics t transistors	s 2 course cov , op-amp chara	ers the vacteristics	vorking priis and circui	nciples ts, and	and applicat I basic digital	ion of BJT tra electronics ma	nsistors, JFET terial.
Reference	ces	Main :								
		2. R 3. R 4. To Lt 5. Fl 6. B	ahmawati, I ahmawati, I ooley, M. 20 td. loyd, T. L. 2	8. Elektronika : E., Sucahyo, I., E., Sucahyo, I., 006. Electronic 012. Electronic ., and Nashels	dan Kho dan Kho s Circuit: s Device	liq, A. 201 liq, A. 201 Fundame	7. Han 7. Pan ntals a	d out Elektror duan Praktiku and Applicatio	nika Dasar 2 . m Elektronika ns . Third Edi	tion. Elesevier
		Supporte	rs:							
Supporti lecturer	ing	Dzulkiflih, Abd. Kholi	n Sucahyo, I S.Si., M.T. iq, S.Pd., M tidewi, S.Si.	.Т.						
W- 1	Fina abil	ities of	E	valuation		Help Learnir Student / Estir	Ässigi	thods, nments,	Learning materials	Assessment
Week-	lear stag	ning	Indicator	Criteria & Fo		iline O (iline	nline	(online)	References]	Weight (%)

(1)	(2)	(3)	(4)	(5)	(6)	(7) (8)	
1							0%
2							0%
3							0%
4							0%
5							0%
6							0%
7							0%
8							0%
9							0%
10							0%
11							0%
12							0%
13							0%
14							0%
15							0%
16							0%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
		0%

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.
- Indicators for assessing abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities 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.
- 8. 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.

- 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%.
 TM=Face to face, PT=Structured assignments, BM=Independent study.