Universitas Negeri Surabaya Faculty of Engineering, Bachelor of Information Systems Study Program

Document Code

UNESA	Bachelor of information Systems Study Program																	
SEMESTER LEARNING PLAN																		
Courses		CODE		C	Course Family		Credit Weight			SI	EMES	STER	Con	npilation	ì			
Research methodology			5720103030					T=3	P=0	ECT	S=4.7	7	4		July	17, 2024	1	
AUTHORIZAT	TON		SP Developer	r				Course Clusto					Si	Study Program Coordinator				
												11	I Kadek Dwi Nuryana, S.T., M.Kom.					
Learning model	Project Based Le	earni	ing															
Program	PLO study prog	ram	that is charg	ged t	to the	cour	se											
Learning Outcomes (PLO)	PLO-16	Able on t	e to make appro the results of inf	opria forma	ite dec ation a	isions ınd da	in th	e conte alysis;	ext of	solvin	g prob	olems i	in the	eir field	d of ex	kpertis	se, based	d
, ,	PLO-26	Hav	ve expertise in e	evalu	ıating,	identi	fying	systen	n deve	lopme	ents a	nd car	rying	out s	ystem	mair	itenance	;
	PLO-30	des	e to apply the b igning compute antages and dis	r-ba	sed sv	stems	ร in รเ	ıch a v	vay as									
	Program Object	ives	s (PO)															
	PO - 1 Students can write scientific papers or thesis proposals well in accordance with the study to researched								dy to be	Э								
	PLO-PO Matrix																	
			P.O PLO-16 PLO-26 PLO-30 PO-1															
	PO Matrix at the	e en	d of each lear	rnin	g stag	je (Sι	ıb-P(O)										
		P.O 1 2 3 4 !				1	Week						12 13 14 15 16					
		_		1	2 3	3 4	5	6	7 8	9	10	11	12	13	14	15	16	
		ŀ	PO-1															
Short Course Description	This course exam which consists of and proposing hy collection techniquyear students who write a scientific conducting resear research process, measurement scaresults, and (9) refrom that, this concourse introduces technical observat who will or are cuscientific paper or	(1) by pothues, o will paper ch ir (3) ale a porturse s vartions urrer	asic understandesses, (4) pop (7) data analys of or are currenter or other simple theoretical basend research in writing. This color is also useful ious processes and experimently taking a the	ding bulation of the control of the	of reson sa on sa 3) inter king a resear ation S ramew ments, e is air studen condu nd pre	earch, mples pretat thesi ch. T Systen ork fo (6) d med a ts wh cting parati	, (2) ro i, (5) tion o s. Apa his cons, who or thin lata o t final o wa resea ion of	eseard meas f resuliant from ourse hich cooking a collection year so nt to warch in resea	th produrements, and that examinates the following the content of the following the fo	cess, (ent sc f (9) w , this ones the nes the sof (1 pothed hniquous scient eld of ports.	3) the ales writing course he type the less sures, (7 o will attific properties of the less than the	eoretica and re report e is also ces of basic u bmissi data or are caper o rmatics course	al baseseares. The so use researes under ion, (ana curres or others engines aims aims engines	sis, fra ch in is cou seful f earch rstand (4) sa lysis, ently t ner si jineer med a	amew strum urse is or stu and t ling of mple (8) ir aking milar ing. D at fina	ork fo ents, s aime dents the pi f rese popul aterpro a the resea oata o l year	or thinking (6) data at fina as who will rocess o arch, (2 lation, (5 estation o sis. Aparurch. This collection o students	gall of () of t s i, s
References	Main :																	_
	2. Cargill, M	arga	. 2002. Scientifi ret & OConnor, 010. Buku Pedo	, Pati	rick. 20	005. V	Vritino	g Scier	ntific R	esear	ch Ar	ticles.	Wiley	/ Blac	kwell.			

	Supporters:					
Supporting	Dr. Vuni Vamacari, S.Kom. M.Kom					

Supporting Dr. Yuni Yamasari, S.Kom., M.Kom. Aries Dwi Indriyanti, S.Kom., M.Kom.

lecturer	Aries Dwi Indriya	nti, S.Kom., M.I	Kom.	•			
Week-	Final abilities of each learning stage	Ev	aluation	Lea Stud	Help Learning, arning methods, ent Assignments, Estimated time]	Learning materials [References	Assessment Weight (%)
	(Sub-PO)	Indicator	Criteria & Form	Offline (offline)	Online (online)	1	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Understand the types and varieties of research as well as examples of their implementation in the field	Students actively respond to the material provided by asking questions and discussing.		Lectures, questions and answers and solving 3 X 50 questions			0%
2	Understand the types and varieties of research as well as examples of their implementation in the field	Students actively respond to the material provided by asking questions and discussing.		Lectures, questions and answers and solving 3 X 50 questions			0%
3	Able to express the results of problem identification into a formula for which a solution will be sought	Students actively respond to the material provided by asking questions and discussing.		Lectures, questions and answers and solving 3 X 50 questions			0%
4	Able to express the results of problem identification into a formula for which a solution will be sought	Students actively respond to the material provided by asking questions and discussing.		Lectures, questions and answers and solving 3 X 50 questions			0%
5	Able to express the results of problem identification into a formula for which a solution will be sought	Students actively respond to the material provided by asking questions and discussing.		Lectures, questions and answers and solving 3 X 50 questions			0%
6	Able to formulate a research summary in an abstract presentation. Able to explore all the problems underlying a research			3 X 50			0%
7	Able to formulate a research summary in an abstract presentation. Able to explore all the problems underlying a research			3 X 50			0%

			1		
8	Understand the process of tracing previous research through scientific publications, journals or scientific works. Understand the basic theory underlying research		3 X 50		0%
9	Understand the process of tracing previous research through scientific publications, journals or scientific works. Understand the basic theory underlying research		3 X 50		0%
10	Understand how to write quotations from various library sources. Understand the types and forms of research variables. Understand the methods used in the data collection process		3 X 50		0%
11	Understand how to write quotations from various library sources. Understand the types and forms of research variables. Understand the methods used in the data collection process		3 X 50		0%
12	Understand how to write quotations from various library sources. Understand the types and forms of research variables. Understand the methods used in the data collection process		3 X 50		0%
13	Understand the techniques used in writing scientific papers Understand the process of drawing conclusions Understand the entire research method material § understand the process of preparing a research proposal		3 X 50		0%
14	Understand the techniques used in writing scientific papers Understand the process of drawing conclusions Understand the entire research method material § understand the process of preparing a research proposal		3 X 50		0%

15	Understand the techniques used in writing scientific papers Understand the process of drawing conclusions Understand the entire research method material § understand the process of preparing a research proposal		3 X 50		0%
16	Understand the techniques used in writing scientific papers Understand the process of drawing conclusions Understand the entire research method material § understand the process of preparing a research proposal	Form of Assessment : Portfolio Assessment	3 X 50		100%

Evaluation Percentage Recap: Project Based Learning

		000.00
No	Evaluation	Percentage
1.	Portfolio Assessment	100%
		100%

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.
- 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.
- 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.
- 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.