

## Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Bachelor of Mathematics Education Study Program

Document Code

		SEMESTE	R LE	ARNI	NG	PLAN				
Courses		CODE	Course Family	Cre	dit We	ight	SEMESTE		Compi Date	ilation
Real Analysis	;	8420203004		T=3	P=0	ECTS=4.77	3		July 17	7, 2024
AUTHORIZAT	ION	SP Developer		Course (		r	Study Pro Coordinat	gra or	.m	
							Dr. Enda	ıh B M.F		haju,
Learning model	Case Studies									
Program Learning	PLO study p	rogram that is char	ged to t	he cours	е					
Outcomes	Program Ob	jectives (PO)								
(PLO)	PLO-PO Mat	rix								
		P.O								
	PO Matrix at	the end of each lea	arning st	tage (Sul	o-PO)					
		P.O			Wee	ek				
		1 2 3 4	5 6	7 8	9	10 11 1	.2   13   14	ŀ	15 1	L6
Short Course Description	properties, rai value, point vi surroundings and closed se sequence lim Cauchy's crite expository, dis learning proce	ysis course I aims to tional and irrational and irrational and irinity, supremum and of a point), topology opers and their properties its, tails of sequence erion, contractive secussion and questioness with active interall as final semester example.	umbers, infimum on the real es), seques , mon quence). In and and active par	sequence of a set and line (specences of rectione second) Learning aswer approximation.	of read their cial point in the cial point in the cial number is caused to consider the cial preservation in the cial pre	al numbers a properties, in the properties, in the properties of a set a mbers (limits), partial securied out by the second assessmentations, assessmentatio	and their prontervals and intervals and intervals and individual from the individual from the individual from the intervals and inte	per ts p erti es, rge co d o	ties, ab properticies, ope proper ent sequentinat ombinat ut durii	bsolute es, the en sets rties of luence, tion of ng the
References	Main :									
	New \ 2. DePre Sons. 3. Fuad, Surab 4. Manu 5. Parzy	Y dan Soedjadi, F	Sons. C. W. 198 R. 1997. sis Real. Z W. 1987.	88. Introdu Handboo Zifatama: S Introductio	uction t k Mat Suraba	o Real Analy akuliah Anal ya.	rsis. New Yor	rk. J	John W asarjana	viley &
Supporting lecturer		d, M.App.Sc. Jharawati, M.Si.								

Week-	Final abilities of each learning	Ev	<b>v</b> aluation	Le Stu [	Help Learning, earning methods, dent Assignments, Estimated time]	Learning materials	Assessment Weight (%)
	stage (Sub-PO)	Indicator	Criteria & Form	Offline ( offline )	Online ( <i>online</i> )	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: Case Study** 

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.
- 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.