

Universitas Negeri Surabaya Faculty of Sports and Health Sciences Bachelor of Sports Science Study Program

Document Code

SEMESTER LEARNING PLAN												
Courses				CODE		Course Fa	mily	Cred	it We	ight	SEMESTER	Compilation Date
Sports Nutrigenomics			892010225	55			T=1	P=1	ECTS=3.18	6	July 17, 2024	
AUTHOR	RIZAT	TON		SP Developer			Cours	urse Cluster Coordinator			Study Program Coordinator	
										Dr. Heri Wahyudi, S.Or., M.Pd.		
Learning model	I	Case Studies										
Program		PLO study prog	gram	that is cha	arged to the	course						
Learning		Program Objectives (PO)										
(PLO)		PLO-PO Matrix										
P.O												
		PO Matrix at the	e enc	d of each le	earning stage	e (Sub-PO)						
			F	P.O 1	2 3 4	5 6	7 8	Wee	ek 10	11 12	13 14	15 16
Short Course Descript	tion	Nutrigenomics is composition and genotype profiles we need and who composed of chogenomics in the based on the ana potential chronic	are of will plat foo emica develo	capable of in provide known ds we shound In molecules opment of no of gene fund	nducing gene vledge about wald avoid, base that are caped technologication and expressions.	expression what types od on a data bable of ind es, such as ession. This	in the I f food a base of ucing g transcr knowle	body. re suit genes jene e iptomi dge is	The cable for assets assets assets assets assets assets as assets as	omposition of or consumption ociated with a sion. Nutrige oteomics, me rtant for main	f nutritional ne on. shows wha disease. The nomics is the tabolomics an taining health	eds based on t types of food food we eat is application of d epigenomics
References		Main :										
		Supporters:										
				l								
Supporting lecturer Dr. Dita Yuliastrid, S.Si., M.Kes. Anna Noordia, S.TP., M.Kes. dr. Ananda Perwira Bakti, M.Kes.												
Week-	eac	Final abilities of each learning stage (Sub-PO)		Evaluation		orm Offi	Help Learning, Learning methods, Student Assignments, [Estimated time] Offline (Online (online)			ods, nents, ne]	Learning materials [References	Assessment Weight (%)
(,	, , , ,			iuicator	Criteria & Fo		ine (ine)	J	mne	(online)	J	
(1)		(2)		(3)	(4)	(5)			(6)	(7)	(8)

1	Able to analyze the basic concepts of nutrigenetics and nutrigenomics	1.1 Explain the learning objectives of nutrigenetics and nutrigenomics 1.2 Explain the basic concepts of nutrigenetics and nutrigenomics	Learning Form: Virtual face- to-face lecture via vilearning and zoom Learning Method: Lecture, discussion and question and answer [TM : 1 (2x50')] Student assignment Independent assignment via assignment in vilearning 2 X 50		0%
2	Able to explain cell responses to the microenvironment (nutrition)	2.1 Explain the concept of micro nutrition 2.2 Explain cells 2.3 Explain cell responses to the micro environment (nutrients)	Learning Form: Virtual face- to-face lecture via vilearning and zoom Learning Method: Lecture, discussion and question and answer [TM:1 (2x50')] Student assignment Independent assignment via assignment on vilearning 2 X 50		0%
3	Able to explain the components of genes, genomics of body composition	3.1. Explain the components of genes 3.2. Explain body composition 3.3. Explaining genomic body composition	Learning Form: Virtual lecture via vilearning and zoom Learning Method: Lecture, discussion and question and answer 2 X 50		0%
4	Able to explain the metabolism of genes and food substances	4.1. Explain metabolism 4.2. Explain gene metabolism 4.3. Explaining food metabolism 4.4 Explaining the relationship between gene metabolism and food metabolism	Learning Form: Virtual face- to-face lecture via vilearning and zoom Learning Method: Lecture, discussion and question and answer Student assignments Independent assignments via assignments on vilearning 2 X 50		0%

5	Able to understand the genomics of eating behavior and appetite regulation	5.1 Explaining the genomics of eating behavior 5.2 Explaining the genomics of appetite regulation	Learning Form: Virtual face- to-face lecture via vilearning and zoom Learning Method: Lecture, discussion and question and answer Student assignments Independent assignments via assignments on vilearning 2 X 50		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	ľ
		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.
- 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** 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.

- 9. **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.