

Universitas Negeri Surabaya Vocational Faculty D4 Culinary Management Study Program

Document Code

UNESA	D4 Culinary Management Study Program								nt \$	Stú	dy I	Pro	ogr	am					
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Courses		(CODE				Cou	rse F	amily	,	С	red	it We	ight		SEMES	STER	Com	pilation
Product Deve	elopment	(623050310	230503107			Compulsory Study Program Subjects				Т	=3	P=0	ECTS=	4.77	4	4	Janu 2023	ary 25,
AUTHORIZAT	TION	;	SP Develop	oer						Co	urse C	Clus	ter C	oordina	tor	Study	Prograi	m Coo	rdinato
		1	Ita Fatkhur Romadhoni, S.Pd.,M.Pd				Dra. Niken Purwidiani, M.Pd			d	Lilis Sulandari, S.Pt., M.P.								
Learning model	Project Based L	earning								1					<u> </u>				
Program Learning	PLO study pro	gram wl	hich is cha	argeo	l to tl	he co	ourse	9											
Outcomes (PLO)	PLO-7		apply logic according to							d mea	asurab	le th	ninkin	g in carry	ying ou	ıt speci	fic work	in the	catering
	PLO-9	standaı	design, pla rds, product nvironment	n, ma t qual	ike, pi ity sta	resen ındard	t and ds, fo	store od hy	food, giene	, drinl stand	k or co dards,	ookir me	ng pro et aes	ducts in thetic va	accord alues b	dance v y imple	vith app ementing	licable g K3 in	recipe the
	PLO-13		in-depth the g food hygionts.																
	Program Objectives (PO)																		
	PO - 1	manufa	design and acturing time nces, availa	e, pac	kagin	g) by	takin	g into	acco	unt n	narket	able	aspe	cts and	compe	etitivene	ess (qua		
	PO - 2	Able to	to prepare facilities and instruments (validated) required for product development.																
	PO - 3	Able to procedu	work accoures, by pay	rding ving a	to pl	lan b	y pay aspec	ying a	attenti clean	on to liness	aspe and s	ects safe	of kn	owledge ording to	e, skills o proce	s and e edures	efficiend	y acc	ording to
	PLO-PO Matrix	×																	
			P.O		PLO	0-7		F	PLO-9	1		PLC	D-13						
			PO-1																
			PO-2																
			PO-3																
	PO Matrix at th	ne end o	f each lea	rning	ı stag	je (Si	ub-P	O)											
		P.O	1	2	3	4	5	6	7	8	We	10) 11	12	13	14	15	16	
		PO-	1																
		PO-	2																
		PO-	3																
Short Course Description	This course tead competitiveness designs_includin preferences for analysis (review preparation and	in busin ng packag the prod ved from	ess, producting (if any) uct), instrure the aspec	ct der in the ment cts of	velopr ne fori valida f qua	ment m of ation lity, c	strate a por and consu	egies, rtfolio, revisio imer	inno dete on, pi prefe	vation rmini roduc rence	n and ng and t pre- es, pa	d pr trial	eativity reparii , proc ging,	/ concep ng instru luct trial	ots, de iments (qual	evelopir (cons ity and	ng new sumer p prefere	produ ercept ences)	ct mode tions and produc
References	Main :		į																

- Beckley, Jacqueline H. and Leslie J. Herzog. 2017. Accelerating New Food Product Design and Development. 2nd Edition. English: Wiley-Blackwell.
- ${\bf 2.} \ \ {\bf Buchari\ Alma\ }, {\bf 2000\ }. \ {\bf Manajemen\ Pemasaran\ Dan\ Pemasaran\ Jasa.\ Penerbit\ Alfabet,.\ Bandung$
- 3. Fuller, Gordon W. 2011. New Food Product Development: From Concept to Marketplace , Third Edition. English: CRC Taylor & Francis Group
- 4. IFT Basic Symposium. 2002. Food Product Development Based on Experience . Iowa State Press (15-07-2002)
- 5. Kotler , Philip. 2000 . Manajemen Pemasaran, Edisi Milenium. Jakarta: Prehallindo
- 6. Marcus Vinicius Pereira and Trabasso, Luis Gonzaga. 2017. The Lean Product Design and Development Journey: A Practical View Pessôa . English: Springer
- 7. Moskowitz, Howard R.; Beckley, Jacqueline H.; and Resurreccion, Anna V. A. 2012. Sensory and Consumer Research in Food Product Design and Development . English: Wiley-Blackwell
- 8. Pope, Rob. 2005. C reativity: Theory, History, Practic e. New York: Routledge Taylor & Francis Group
- 9. Reisner, Michele. 2009. Packaging Research in Food Product Design and Development . English: Willey-Blackwell
- 10. Saladin, Djaslim. 2002. Intisari Pemasaran dan Unsur-unsur Pemasaran. Cetakan kedua. Bandung: Linda Karya.

Supporters:

Supporting lecturer

Prof. Dr. Any Sutiadiningsih, M.Si. Dra. Niken Purwidiani, M.Pd. Lilis Sulandari, S.Pt., M.P. Ita Fatkhur Romadhoni, S.Pd., M.Pd. Ila Huda Puspita Dewi, S.Pd., MM.Par.

Week-	Final abilities of each learning stage	Eval	luation	Leari Studer	lp Learning, ning methods, nt Assignments, stimated time]	Learning materials [References	Assessment Weight (%)
	(Sub-PO)	Indicator	Criteria & Form	Offline (offline)	Online (online)	1	5 ()
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Understanding the Contents of the Product Development RPS	Understand the purpose of studying product development courses, obligations and tasks that must be carried out.	Criteria: There isn't any because it's just RPS orientation Form of Assessment: Participatory Activities, Project Results Assessment / Product Assessment	Lectures and Questions and Answers 2 X 50		Material: Product Development Concepts References: Beckley, Jacqueline H. and Leslie J. Herzog. 2017. Accelerating New Food Product Design and Development. 2nd Edition. English: Wiley- Blackwell.	5%
2	Able to understand the basic concepts of product development correctly, independently and responsibly	1.Explain the meaning of product development, 2.Differentiate new products from product development 3.Identify product levels, 4.Explain the criteria for new products and developed products, 5.Explain the purpose or importance of developing new products, correctly, independently and responsibly	Criteria: 1.Full mark (maximum) if you answer the question correctly (according to the answer key) (weight 20%) 2.Attitude assessment on a scale of 1 - 5 (Very Good), Good, Fair, Not Good, Not Good) Form of Assessment : Project Results Assessment / Product Assessment	Independent Assignment Presentation (TMd)1 by students; Questions and answers by lecturers and students; Discussion and drawing conclusions by the lecturer 2 X 50		Material: Product Development Concepts Reference: Buchari Alma, 2000. Marketing Management and Services Marketing. Alphabet Publishers,. Bandung	5%

3	Able to understand new product development correctly, independently, confidently and responsibly	1.Explain the factors that influence product development, 2.Explain the factors that hinder the development of new products, 3.Explain the difference between creativity and innovation, 4.Explain various types of product innovation, correctly, independently, confidently and responsibly	Criteria: 1.Maximum score if you answer the question correctly (according to the answer key) 2.Attitude assessment on a scale of 1 - 5 (Very Good), Good, Fair, Not Good, Not Good) Form of Assessment: Project Results Assessment / Product Assessment, Portfolio Assessment	TMd2 presentation by students Questions and answers by lecturers and students Discussion and drawing conclusions by lecturers 2 X 50	Material: Product development procedures Reference: IFT Basic Symposium. 2002. Food Product Development Based on Experience. Iowa State Press (2002- 07-15)	5%
4	Able to understand the stages/strategy of product development correctly, independently, confidently, and responsibly, committed, action and results oriented	1.Explain the meaning of product development strategy, 2.Identifying stages of product development, 3.Distinguish between generating and filtering ideas in product development, 4.Explain concept testing in product development, 5.Explain business analysis in product development, 6.Explain the purpose of product development, correctly, independently, confidently, and responsibly, committed, action and results oriented	Criteria: 1. Maximum score if you answer the question correctly (according to the answer key) 2. Attitude assessment on a scale of 1 - 5 (Very Good), Good, Fair, Not Good) Form of Assessment : Project Results Assessment / Product Assessment	TMd3 Presentation; Cooperative learning; Ask Java; and Lecturer explanation regarding PBM TM-4 2 X 50 material	Material: Product development strategy References: Reisner, Michele. 2009. Packaging Research in Food Product Design and Development. English: Willey- Blackwell	5%

5	Able to understand concept testing and business analysis operations, correctly, independently, confidently, and responsibly, committed, action and results oriented	1.Predicting purchasing intensity based on purchasing data from respondents (consumers), 2.Explaining product descriptions to respondents (potential customers), 3.Dig up information about the possibility of respondents (consumers) buying the product or not, 4.Evaluate and revise the product if the purchase estimate is in the low category, correctly, independently, and responsibly, committed, action and results oriented	Criteria: 1.Maximum score if you answer the question correctly (according to the answer key). The total assessment weighs 20 of the total value. 2.Attitude assessment on a scale of 1 - 5 (Very Good), Good, Fair, Not Good, Not Good) Form of Assessment: Project Results Assessment / Product Assessment	TMd4 Presentation Cooperative learning Questions and answers Lecturer's explanation regarding concept testing of selected ideas 2 X 50	Material: Business analysis Bibliography: Moskowitz, Howard R.; Beckley, Jacqueline H.; and Resurreccion, Anna VA 2012. Sensory and Consumer Research in Food Product Design and Development. English: Wylley- Blackwell	5%
6	Able to carry out Product Development operations (product testing) according to the design (portfolio) responsibly.	Able to carry out Product Development operations (Product Testing) according to the portfolio	Criteria: Demonstrate product design 30% in accordance with SOP Forms of Assessment: Project Results Assessment / Product Assessment, Practical Assessment	2 X 50	Material: Product development operations Reference: IFT Basic Symposium. 2002. Food Product Development Based on Experience. Iowa State Press (2002- 07-15)	5%
7	Able to carry out product testing according to design (portfolio) correctly and responsibly.	Able to carry out product testing according to design (portfolio) correctly and responsibly.	Criteria: Able to carry out product testing according to design (portfolio) Form of Assessment : Assessment of Project Results / Product Assessment, Practices / Performance	Presentation and discussion 2 X 50	Material: Presentation of product development progress results Readers: Kotler, Philip. 2000 . Marketing Management, Millennium Edition. Jakarta: Prehallindo	10%
8	Able to carry out product testing according to design (portfolio) correctly and responsibly.	Able to carry out product testing according to design (portfolio) correctly and responsibly.	Criteria: Able to carry out product testing according to design (portfolio) Form of Assessment: Project Results Assessment / Product Assessment, Test	Presentation and discussion 2 X 50	Material: Presentation of product development progress results Readers: Kotler, Philip. 2000 . Marketing Management, Millennium Edition. Jakarta: Prehallindo	10%

10	Able to carry out operational product development activities (retest-1) correctly and responsibly Able to carry out operational product development activities (retest-2) correctly and responsibly	Able to carry out operational product development activities (retest-1) correctly and responsibly Able to carry out operational product development activities (retest-2) correctly and responsibly	Criteria: Criteria for test results are a minimum organoleptic value of 70% Form of Assessment : Project Results Assessment / Product Assessment, Portfolio Assessment Criteria: Criteria for test results are a minimum organoleptic value of 70% Form of Assessment : Project Results Assessment / Product	Product trial 2 X 50 Product trial 2 X 50	Material: Retest 1 References: Reisner, Michele. 2009. Packaging Research in Food Product Design and Development. English: Willey- Blackwell Material: Product trials Readers: Kotler, Philip. 2000. Marketing Management, Millennium Edition. Jakarta: Prehallindo	5%
11	Able to carry out product development operations (retest-3) and documentation correctly and responsibly	Able to carry out product development operations (retest-3) and documentation correctly and responsibly	Assessment Criteria: Criteria for test results are a minimum organoleptic value of 80% Form of Assessment: Project Results Assessment / Product Assessment	Product Test 2 X 50	Material: Product trials 3 References: Marcus Vinicius Pereira and Trabasso, Luis Gonzaga. 2017. The Lean Product Design and Development Journey: A Practical View Pessöa. English: Springer	5%
12	Able to report (with PPT) the results of product development that has been implemented correctly and has good performance	Able to report (with PPT) the results of product development that has been implemented correctly and has good performance	Criteria: Criteria for test results are a minimum organoleptic value of 85% Form of Assessment : Project Results Assessment / Product Assessment	Presentation and Discussion 2 X 50	Material: Presentation of product development results Readers: Marcus Vinicius Pereira and Trabasso, Luis Gonzaga. 2017. The Lean Product Design and Development Journey: A Practical View Pessöa. English: Springer	5%
13	Able to report (with PPT) the results of product development that has been implemented correctly and has good performance	Able to report (with PPT) the results of product development that has been implemented correctly and has good performance	Criteria: The reported results are 90% in accordance with the portfolio design Form of Assessment : Project Results Assessment / Product Assessment, Portfolio Assessment	Presentation and Discussion 2 X 50	Material: Presentation of product development results Readers: Marcus Vinicius Pereira and Trabasso, Luis Gonzaga. 2017. The Lean Product Design and Development Journey: A Practical View Pessôa. English: Springer	5%

14	Able to secure product development results in the form of a product development recipe book.	Able to secure product development results in the form of a product development recipe book	Criteria: Recipe books can be arranged according to SOP Form of Assessment: Project Results Assessment / Product Assessment, Portfolio Assessment	Compiling a 2 X 50 recipe book	Material: Recipe book Reader: Pope, Rob. 2005. Creativity: Theory, History, Practic e. New York: Routledge Taylor & Francis Group	5%
15	Able to secure product development results in the form of a product development recipe book.	Able to secure product development results in the form of a product development recipe book	Criteria: Recipe books can be arranged according to SOP Form of Assessment: Project Results Assessment / Product Assessment, Portfolio Assessment	Compiling a 2 X 50 recipe book	Material: Recipe book Reader: Pope, Rob. 2005. Creativity: Theory, History, Practic e. New York: Routledge Taylor & Francis Group	10%
16	Able to explain the results of product development projects	Present the results of product development projects	Criteria: Capable of product development project results 100% in accordance with the portfolio Form of Assessment: Project Results Assessment / Product Assessment	Presentation and discussion 2 x 50	Material: Presentation of project results References: Kotler, Philip. 2000 . Marketing Management, Millennium Edition. Jakarta: Prehallindo	10%

Evaluation Percentage Recap: Project Based Learning

	Evaluation i crocinago itecapi i reject Bacca Ecanning						
No	Evaluation	Percentage					
1.	Participatory Activities	2.5%					
2.	Project Results Assessment / Product Assessment	70%					
3.	Portfolio Assessment	15%					
4.	Practical Assessment	2.5%					
5.	Practice / Performance	5%					
6.	Test	5%					
		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.
- 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.
- 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.