



## Universitas Negeri Surabaya Faculty of Engineering, Electrical Engineering Masters Study Program

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Courses	Recent Journal	2010102003				Family Isory St		_	edit \		ECTS=4.48	SEMES	2		npilation 17, 2024			
Articles	tecent Journal	2010102003		F	rogran	n Subje	ects		<u> </u>		2013-4.40			July	17, 202-			
AUTHORIZA	TION	SP Develop	er				Cou	rse Clu	ster (	Coo	rdinator	Study P	rogram	Coordin	ator			
		Prof. Dr. Asto	o Budi T	Г, М.Т.,	, Hapsa	ari Peni	i Unit Ph.[		(artini	i, S. <sup>-</sup>	Т., М.Т.,		Unit TI	nree Kart	ini, S.T., I	И.Т., Ph	.D.	
Learning model	Project Based Le	arning										•						
Program	PLO study program that is charged to the course																	
Learning Outcomes	Program Object	ves (PO)																
(PLO)		récommendations/suggestions.																
	PO - 2 2																	
İ	PO - 3 3)	3) Able to compose scientific articles in the form of conceptual studies in the field of vocational education and submit them to journals.      4) Able to be honest, objective, thorough and responsible in compiling scientific articles and publications in scientific forums.																
	PO - 4 4)	Able to be hone	st, obje	ctive, t	horoug	jh and i	respon	sible in	comp	iling	scientific ar	icles and	publicat	ions in so	ientific fo	rums.		
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Short Course Description References	Main:  1. 1) Ege. (2 2. 2) Journal		lysis: A	n subr Theor	nitted. etical F nuary 2	Review. 22nd, 2	. Journ 020. F	al Interr	ation s://w	al So	ocial Reseac	ch, 10(51) ds.com/is	994-10 sue6-july	6. /-2008/jo	urnal-ana	lysis/		

- 4. 4) The Article Analysis, (2019), Retrieved 22nd January 2020, from https://www.gvsu.edu/cms4/asset/CC3BFEEB-C364-E1A1-A5390F221AC0FD2D/business\_article\_analysis\_gg\_final.pdf

## Supporters:

## Supporting lecturer

Prof. Dr. I Gusti Putu Asto Buditjahjanto, S.T., M.T. Dr. Raden Roro Hapsari Peni Agustin Tjahyaningtijas, S.Si., M.T.

Week-	Final abilities of each learning stage	Eva	aluation	Learni Student	Learning, ng methods, Assignments, mated time]	Learning materials [ References ]	Assessment Weight (%)
	(Sub-PO)	Indicator	Criteria & Form	Offline ( offline )	Online ( online )		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

definition, type examples and requirements international science article	s and types, Rubric Form: Non lents of examples and articles.	discussions, questions and answers, and assignments 2 x 50"	questions and answers, and assignments 2 x 50"	Analysis. (2019). Retrieved January 22nd, 2020, from https://medium.com/@nerdify/complete-guide-on-article-analysis-with-1-analysis-example-ddb2e993d3f References:  Material: Learning Material 1: Types and examples of scientific articles References:	
Able to analyz various scientiarticles, struct layout, scope level of publication	scientific tructure, cope and on or definition, reversity the send requirements of international articles.  Text row of Assessment: Participatory Activities	Able to analyze various scientific articles, structure, layout, scope and level of publication independently and responsibly 1. Students are able to provide a minimum of 3 examples of scientific articles 2. Students are able to identify various scientific articles 2. Students are able to identify various scientific articles - Method: Case Method Learning  Step 1: Preparation of Example Case Questions Fundamentally, the lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying close attention to the discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Prescuration. Lecturer examines the presentation, provides	Able to analyze various scientific articles, structure, layout, scope and level of publication independently and responsibly  1. Students are able to provide a minimum of 3 examples of scientific articles  2. Students are able to identify various scientific articles  - Method:  Case Method Learning  Step 1: Preparation of Example Case Questions Fundamentally, the lecturer asks: what are the public problems that arise, their causes and impacts?  Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3:  Group Discussion Lecturer conducts observing/paying close attention to the discussion process, providing information if necessary, encouraging all active group members  . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions.  Preparing presentations.  Step 4: Group Presentation. Lecturer examines the presentation and answers. Provides time. Students collect discussion results according to the agreed time limit. Presenting and responding to questions and input on case examples presented.  Students collect discussion results according to the agreed time limit. Presenting and responding to questions and input on case examples presented.  Students collect discussion results according to the agreed time limit. Presenting and responding to questions and input on case examples presented.  Students collect discussion results according to	Material: Complete Guide on Article Analysis. (2019). Retrieved January 22nd, 2020, from https://medium.com/@nerdify/complete- guide-on-article-analysis-with-1- analysis-example-ddb2e993d3f References:  Material: Learning Material 2: Types and examples of scientific articles in National and International journals Pustaka:	7%

opportunities for questions and answers. Provides time students to reflect and revise cases presented. . Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions . [TM: 3x170'] Student Assignment: Searching, identifying scientific articles in reputable journals -, Learning Form: Lecture via vinesa/gc/meet Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to lecturer's questions question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying close attention to the discussion process, providing information if necessary, encouraging all active group members Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing a presentation. Step 4: Group Presentation. Lecturer examines the presentation. provides opportunities for

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		Give students time to reflect and revise the cases presented. Provide suggestions and input on case examples presented by students. Collect discussion results according to the agreed time limit. Presenting and responding to questions  - Student Assignment: - Searching to identify scientific articles in national journals and international journals			
Able to analyze the meaning of "Ethics" and "plagiarism" correctly. Able to distinguish plagiarism and non-plagiarism is writing. Able to avoid and preve plagiarism	analyze the meaning of "Ethics" and "plagiarism" correctly. Able to distinguish plagiarism plagiarism	Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for	- Method: Case Method Learning Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions [TM: 3x170'] Student Assignment: Searchific articles in reputable journals - Learning Form: Lecture via vinesa/gc/meet Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems	Material: Complete Guide on Article Analysis. (2019). Retrieved January 22nd, 2020, from https://medium.com/@nerdify/complete-guide-on-article-analysis-with-1-analysis-example-ddb2e993d3f References:  Material: Learning Material 3: Types and examples of scientific articles in National and International journals Pustaka:  Material: Learning Material 3: Types of Plagiarism in International Journal Articles and National Journals Library:	7%

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4	Able to analyze	Able to	Criteria:	reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions - Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 x 50" - Method:		Material: Learning Material 4: Analysis	7%	
	what should be written in the title, authorship, abstract, keywords and introduction	analyze what should be written in the title, authorship, abstract, keywords and introduction	Criteria: Holistic Rubric Form: Non Test  Form of Assessment: Participatory Activities	Case Method Learning  Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and impacts?  Students Discussion procedures for and processing supporting data. Analyzing cases and impacts?  Students for and processing supporting data. Analyzing cases and impacts for and processing supporting data. Analyzing cases and impacts for and processing supporting data. Analyzing cases and impacts for and imp	Case Method Learning  Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions [TM: 3x170'] Student Assignment: Searching, identifying scientific articles in reputable journals - Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to	of diversity in writing authorship, abstracts, keywords and introduction to scientific article publications . References:		

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			Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions - Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 x 50"			
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6 Students are able to analyze the definition and purpose of literature review, research methods, results, discussion, conclusions, thanks and bibliography.	Students are able to analyze the definition and purpose of literature review, research methods, results, thanks and bibliography.  Criteria: Hol Rubric Form Test  Form of Assessment Participatory Activities	istic : Non  Step 1:     Preparing Case     Examples Basic     Questions     The lecturer     asks: what are     the public     problems that     arise, their     causes and     impacts?     Students     respond to     lecturer's     questions,     questions     respond to     lecturer's     questions,     questions,     questions     respond to     lecturer's     questions,     questions,     questions     recording     discussion     procedures     (Individual/Ex)     Lecturer     determines     collection     procedures and     time     Lecturer makes     agreement on     deadline for     collection     procedures and     time     Lecturer makes     agreement on     deadline for     collection,     Gives students     time to form     groups Students     Agree on     schedule,     Arrange groups,     Step 3:     Group     Discussion     Lecturer     conducts     observing/paying     attention to the     discussion     Lecturer     conducts     observing/paying     attention to the     discussion     precess     students     Discussing     examples of     cases that will     be taken.     Collecting and     processing     supporting data.     Analy riner     scienting and     processing     supporting data.     Analy riner     scienting and     processing     supporting data.     Analy riner     scienting and     processing     svamples of     cases that will     be taken.     Collecting and     processing     supporting data.     Analy riner     scienting and     processing     supporting data.     Analy riner     scienting and     processing     supporting data.     Analy riner     scienting and     provide     cases     scienting and     provide     cases     scienting and     provide     cases     scienting and     provide     cases     cases     cases     cases     cases     cases	e Method Learning  11: Preparing Case inples Basic stions lecturer asks: what he public problems arise, their causes impacts? leents respond to rer's questions, stion and answer 2: Determine cition procedures vidual/Ex) urer determines cition procedures time urer makes ement on deadline ollection, is students time to groups Students eo in schedule, inge groups, is in policial process, iding information if its ary, in the process in the public processing processing porting data. The processing porting data is a considerable processing porting data. The processing porting data is a collection, in the processing porting data. The processing porting data is a collection processing porting data. The processing porting data is a collection processing porting data. The processing porting data is a collection processing porting data. The processing porting data is a collection processing processing processing porting data. The processing pr	Material: Material 6 Analysis of the diversity of published scientific articles References: 1) Ege. (2017). SWOT Analysis: A Theoretical Review. International Journal of Social Research, 10(51). 994-106.	5%

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7	Able to analyze what should be written in the title, authorship, abstract, keywords and introduction	Able to analyze what should be written in the title, authorship, abstract, keywords and	Criteria: Criteria: Holistic Rubric Form: Non Test Form of Assessment: Participatory	discussion results according to the agreed time limit. Present and respond to questions Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 x 50" - Method: Case Method Learning Step 1: Preparing Case Examples Basic Questions	- Method: Case Method Learning Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems	Material: Material 5 Analysis of diversity of published scientific articles References: 4) The Article Analysis, (2019), Retrieved 22nd January 2020, from https://www.gvsu.edu/	5%
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		Present and respond to questions Student Assignment: - Searching to identify scientific articles in national journals and international journals			
Able to analyze and integrate all parts of a scientific article as a single unit.	Able to analyze what should be written in the title, authorship, abstract, keywords and introduction  Able to analyze what should be written in the title, authorship, abstract, keywords and introduction  Able to analyze what should be written in the title, authorship, abstract, keywords and introduction  Criteria: Criteria: Criteria: Holistic Rubric Form: Nor Test  Test  Form of Assessment: Participatory Activities	2 x 50" - Method: Case Method	Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions [TM: 3x170*] Student Assignment: Searching, identifying scientific articles in reputable journals - Learning Form: Lecture via vinesa/gc/meet Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to lecturer's question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline	diversity of published scientific articles References: 2) Journal analysis. (2008). Retrieved January 22nd, 2020. From https://www.researchtrends.com/	6%

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				- Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 × 50"			
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identify scientific articles in national journals

discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions

				and international journals			
12	Able to write results, discussions and conclusions in correct English.	Able to write results, discussions and conclusions in correct English.	Criteria: Criteria: Holistic Rubric Form: Non Test  Form of Assessment: Participatory Activities	- 2 x 50" - Method: Case Method Learning Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members Students. Discussing examples of cases that will be taken. Collecting and processing examples of cases that w	- Method: Case Method Learning Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions ITM: 3x170'] Student Assignment: Searching, identifying scientific, articles in reputable journals - Learning Form: Lecture via vinesa/gc/meet Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer aks: what are the public problems that emergence, causes, effects? Students respond to lecturer's questions, question and answer Step 2: Determine diccusion procedures (Individual/Ex) Lecturer determines collection procedures (Individual/Ex) Lecturer determines collection procedures offects? Students respond to lecturer's questions, question and answer Step 2: Determine diccusering promines solutions for procedures agreement on deadline for collection procedures offects? Students respond to lecturer's questions, question	Material: Material 11. Analysis of the diversity of published scientific articles References: 4) The Article Analysis, (2019), Retrieved 22nd January 2020, from https://www.gvsu.edu/  Material: Material 12. Analysis of the diversity of published scientific articles References: 4) The Article Analysis, (2019), Retrieved 22nd January 2020, from https://www.gvsu.edu/	6%

in reputable journals -Learning Form: Lecture via vinesa/gc/meet Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to lecturer's questions question and . answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members . Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions

necessary, encouraging all active group members
. Students. Discussing examples of cases that will be taken. Collecting and processing supporting data Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time, students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions

- Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 x 50"

				12 - 50"			
13	Able to write	Able to write	Criteria:	- Method:	- Method:	Material: Material 13. Analysis of the	6%
	tables, figures and units	tables, figures and	Criteria: Holistic Rubric Form: Non	Case Method Learning	Case Method Learning	diversity of published scientific articles  References: 4) The Article Analysis,	
	correctly and integrate them	units correctly and	Test	Learning	Step 1: Preparing Case	(2019), Retrieved 22nd January 2020,	
	into scientific	integrate	Form of	Step 1:	Examples Basic	from https://www.gvsu.edu/	
	articles. Able to prepare	them into scientific	Assessment :	Preparing Case Examples Basic	Questions The lecturer asks: what		
	submissions.	articles. Able	Participatory	Questions	are the public problems		
		to prepare submissions.	Activities	The lecturer	that arise, their causes		
				asks: what are the public	and impacts? Students respond to		
				problems that	lecturer's questions,		
				arise, their	question and answer Step 2: Determine		
				causes and impacts?	discussion procedures		
				Students	(Individual/Ex)		
				respond to lecturer's	Lecturer determines collection procedures		
				questions,	and time		
				question and	Lecturer makes		
				answer Step 2:	agreement on deadline for collection,		
				Determine	Gives students time to		
				discussion procedures	form groups Students Agree on schedule,		
				(Individual/Ex)	Arrange groups,		
				Lecturer	Step 3:		
				determines collection	Group Discussion Lecturer conducts		
				procedures and	observing/paying		
				time	attention to the		
				Lecturer makes agreement on	discussion process, providing information if		
				deadline for	necessary,		
				collection, Gives students	encouraging all active group members		
				time to form	. Students. Discussing		
				groups Students	examples of cases that		
				Agree on schedule,	will be taken. Collecting and processing		
				Arrange groups,	supporting data.		
				Step 3: Group	Analyzing cases and their solutions.		
				Discussion	Preparing		
				Lecturer	presentations.		
				conducts observing/paying	Step 4: Group Presentation.		
				attention to the	Lecturer examines the		
				discussion	presentation, provides		
				process, providing	opportunities for questions and		
				information if	answers.		
				necessary, encouraging all	Provides time. students to reflect and revise		
				active group	cases presented.		
				members	Provide suggestions		
				. Students. Discussing	and input on case examples presented.		
				examples of	Students collect		
				cases that will be taken.	discussion results according to the agreed		
				Collecting and	time limit. Presenting		
				processing	and responding to		
				supporting data. Analyzing cases	questions [TM: 3x170']		
				and their	Student Assignment:		
				solutions. Preparing	Searching, identifying scientific articles in		
				presentations.	reputable journals -		
				Step 4: Group	Learning Form: Lecture		
				Presentation. Lecturer	via vinesa/gc/meet Learning Method Step		
				examines the	1: Preparing Case		
				presentation, provides	Examples Basic Questions		
				opportunities for	The lecturer asks: what		
				questions and answers.	are the public problems that emergence,		
				Provides time.	causes, effects?		
				students to	Students respond to		
				reflect and revise cases	lecturer's questions, question and answer		
				presented.	Step 2: Determine		
				Provide suggestions and	discussion procedures (Individual/Ex)		
				input on case	Lecturer determines		
				examples	collection procedures		
				presented. Students collect	and time Lecturer makes		
				discussion	agreement on deadline		
				results according to the agreed	for collection, Gives students time to		
				time limit.	form groups Students		
				Presenting and	Agree on schedule,		
				responding to questions	Arrange groups, Step 3:		
				[TM: 3x170 <sup>-</sup> ]	Group Discussion		
				Student Assignment:	Lecturer conducts observing/paying		
				Searching,	attention to the		
				identifying	discussion process,		
				scientific articles in reputable	providing information if necessary,		
				journals -	encouraging all active		
				Learning Form:	group members		
•	•	•	•	•	•	•	. 1

				Lecture via vinesa/gc/meet	. Students. Discussing examples of cases that		
				Learning Method	will be taken. Collecting		
				Step 1: Preparing Case	and processing supporting data.		
				Examples Basic	Analyzing cases and		
				Questions	their solutions.		
				The lecturer asks: what are	Preparing presentations.		
				the public	Step 4: Group		
				problems that emergence,	Presentation. Lecturer examines the		
				causes, effects?	presentation, provides		
				Students	opportunities for questions and		
				respond to lecturer's	answers.		
				questions,	Provides time. students		
				question and answer	to reflect and revise cases presented.		
				Step 2:	Provide suggestions		
				Determine discussion	and input on case examples presented.		
				procedures	Students collect		
				(Individual/Ex) Lecturer	discussion results according to the agreed		
				determines	time limit. Present and		
				collection	respond to questions		
				procedures and time	- - Student Assignment:		
				Lecturer makes	- Searching to identify		
				agreement on deadline for	scientific articles in national journals and		
1				collection,	international journals		
				Gives students	2 x 50"		
				time to form groups Students			
				Agree on			
				schedule, Arrange groups,			
				Step 3:			
				Group Discussion			
				Lecturer			
				conducts			
				observing/paying attention to the			
				discussion			
				process, providing			
				information if			
				necessary, encouraging all			
				active group			
				members			
				. Students. Discussing			
				examples of			
				cases that will be taken.			
				Collecting and			
				processing			
				supporting data. Analyzing cases			
				and their			
				solutions. Preparing			
				presentations.			
				Step 4: Group Presentation.			
				Lecturer			
				examines the			
				presentation, provides			
				opportunities for			
				questions and answers.			
				Provides time.			
				students to			
				reflect and revise cases			
				presented.			
				Provide suggestions and			
				input on case			
				examples			
				presented. Students collect			
				discussion			
				results according to the agreed			
				time limit.			
				Present and respond to			
				questions			
				-			
				- Student Assignment:			
				- Searching to			
				identify scientific articles in			
				national journals			
				and international journals			
				2 x 50"			
14	Able to prepare presentations	Able to prepare	Criteria: Criteria: Holistic	- Method: Case Method	- Method: Case Method Learning	<b>Material:</b> Material 14. Analysis of the diversity of published scientific articles	6%
Į	F. 230.1.00110	F. 26010	Sinchia, Holistic	Case Meli 100	Case Memou Learning	diversity of published scientific articles	l l

presentations from scientific from scientific Rubric Form: Non Learning References: 4) The Article Analysis articles that have been written. Step 1: Preparing Case (2019), Retrieved 22nd January 2020, Step 1: Examples Basic from https://www.gvsu.edu/... articles that Preparing Case Ouestions have been written. Assessment: Examples Basic The lecturer asks: what Participatory Ouestions are the public problems that arise, their causes **Activities** The lecturer asks: what are and impacts? the public Students respond to problems that lecturer's questions, . arise, their question and answe causes and Step 2: Determine impacts? discussion procedures Students (Individual/Ex) Lecturer determines respond to lecturer's collection procedures questions and time Lecturer makes question and answer agreement on deadline Step 2: for collection. Determine Gives students time to discussion form groups Students procedures Agree on schedule. (Individual/Ex) Arrange groups, Lecturer determines Step 3: Group Discussion collection Lecturer conducts observing/paying attention to the procedures and . time Lecturer makes discussion process, agreement on providing information if deadline for necessary, collection, encouraging all active Gives students group members Students. Discussing time to form examples of cases that will be taken. Collecting groups Students Agree on schedule, and processing supporting data. Analyzing cases and Arrange groups, Step 3: Group their solutions. Discussion Preparing presentations Lecturer conducts Step 4: Group observing/paying Presentation. attention to the Lecturer examines the presentation, provides opportunities for discussion process, providing questions and information if answers. necessary, Provides time. students encouraging all to reflect and revise active group cases presented. members Provide suggestions Students and input on case examples presented Discussing examples of Students collect cases that will discussion results according to the agreed be taken. Collecting and time limit. Presenting processing supporting data. and responding to questions Analyzing cases İTM: 3x170'l and their Student Assignment: solutions. Searching, identifying Preparing presentations. scientific articles in reputable journals -. Step 4: Group Learning Form: Lecture Presentation via vinesa/gc/meet Learning Method Step Lecturer examines the 1: Preparing Case presentation. Examples Basic provides Questions opportunities for questions and The lecturer asks: what are the public problems answers. that emergence, Provides time causes, effects? students to Students respond to reflect and revise lecturer's questions, cases question and answer presented. Step 2: Determine discussion procedures (Individual/Ex) . Provide suggestions and input on case Lecturer determines examples collection procedures presented and time . Students collect Lecturer makes discussion agreement on deadline results according for collection, to the agreed Gives students time to form groups Students time limit. Presenting and Agree on schedule, responding to questions Arrange groups Step 3: [TM: 3x170'] Group Discussion Student Lecturer conducts observing/paying Assignment:

Searching,

in reputable

iournals -

identifying scientific articles

Learning Form: Lecture via

vinesa/gc/meet

Learning Method

attention to the

group members

discussion process, providing information if necessary,

encouraging all active

Students. Discussing

examples of cases that

will be taken. Collecting

				Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members Students Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provide stime. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Provide suggestions and input on case examples presented. Provide suggestions and input on case examples presented. Students collect discussion roules agreed time limit. Prespond to questions - Stepper time students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion roules agreed time limit. Prespond to questions - Stepper time students to reflect and revise cases presented. Provide suggestions and input on case examples presented.	and processing supporting data. Analyzing cases and their solutions. Prepairing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions  - Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 x 50"		
15	Able to prepare presentations	Able to prepare	Criteria: Criteria: Holistic		- Method: Case Method Learning	Material: Material 15. Analysis of the diversity of published scientific articles	6%
	from scientific articles that have been written.	presentations from scientific	Rubric Form: Non Test	Learning Step 1:	Step 1: Preparing Case Examples Basic	References: 4) The Article Analysis, (2019), Retrieved 22nd January 2020, from https://www.gvsu.edu/	

articles that have been written. Form of Assessment : Participatory Activities Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members Students Discussina examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. . Step 4: Group Presentation. Lecturer examines the presentation provides opportunities for questions and answers. Provides time students to reflect and revise cases presented. Provide suggestions and input on case examples presented . Students collect discussion results according to the agreed time limit. Presenting and responding to questions [TM: 3x170'] Student Assignment: Searching, identifying scientific articles in reputable iournals -Learning Form: Lecture via vinesa/qc/meet Learning Method Step 1: Preparing Case Examples Basic

Questions The lecturer asks: what are the public problems that arise, their causes and impacts? Students respond to lecturer's questions. question and answe Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule. Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary encouraging all active group members Students. Discussing examples of cases that will be taken. Collecting and processing supporting data. Analyzing cases and their solutions. Preparing presentations. Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Presenting and responding to questions ÍTM: 3x170'l Student Assignment: Searching, identifying scientific articles in reputable journals -Learning Form: Lecture via vinesa/gc/meet Learning Method Step 1: Preparing Case Examples Basic Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to lecturer's questions, question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members Students. Discussing examples of cases that will be taken. Collecting and processing supporting data Analyzing cases and

16	Able to prepare presentations from scientific	Able to prepare presentations	Criteria: Criteria: Holistic Rubric Form: Non	Questions The lecturer asks: what are the public problems that emergence, causes, effects? Students respond to lecturer's question and answer Step 2: Determine discussion procedures (Individual/Ex) Lecturer determines collection procedures and time Lecturer makes agreement on deadline for collection, Gives students time to form groups Students Agree on schedule, Arrange groups, Step 3: Group Discussion Lecturer conducts observing/paying attention to the discussion process, providing information if necessary, encouraging all active group members Students Discussing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting and processing examples of cases that will be taken. Collecting the discussion collection cases presented. Collecting the discussion collection case cand their solutions.	heir solutions. Preparing presentations Step 4: Group Presentation. Lecturer examines the presentation, provides opportunities for questions and answers. Provides time. students to reflect and revise cases presented. Provide suggestions and input on case examples presented. Students collect discussion results according to the agreed time limit. Present and respond to questions  Student Assignment: - Searching to identify scientific articles in national journals and international journals 2 x 50"	Material: Material 15. Analysis of the diversiry of cps: 4) The Article Aralysis,	6%
	articles that have been written.	from scientific articles that have been written.	Test Form of Assessment : Participatory	Step 1: Preparing Case Examples Basic	Step 1: Preparing Case Examples Basic Questions The lecturer asks: what	(2019), Retrieved 22nd January 2020, from https://www.gvsu.edu/  Material: Material 16. Analysis of the	

Activities Questions are the public problems diversity of published scientific articles that arise, their causes References: 4) The Article Analysis, The lecturer asks: what are and impacts? (2019), Retrieved 22nd January 2020, the public Students respond to from https://www.gvsu.edu/... problems that lecturer's questions, arise, their question and answer Step 2: Determine causes and impacts? discussion procedures Students (Individual/Ex) Lecturer determines respond to lecturer's collection procedures questions, question and and time Lecturer makes agreement on deadline for collection, answer Step 2: Determine Gives students time to form groups Students Agree on schedule, discussion procedures . (Individual/Ex) Arrange groups, Lecturer Step 3: determines Group Discussion collection Lecturer conducts procedures and observing/paying time attention to the discussion process, providing information if Lecturer makes agreement on necessary, deadline for encouraging all active group members collection Gives students time to form Students. Discussing groups Students examples of cases that will be taken. Collecting Agree on schedule. and processing Arrange groups, Step 3: supporting data Analyzing cases and Group Discussion their solutions. Preparing Lecturer presentations conducts observing/paying Step 4: Group Presentation. attention to the Lecturer examines the discussion presentation, provides opportunities for process, questions and providing information if answers necessary, Provides time. students encouraging all to reflect and revise cases presented. active group members Provide suggestions Students. and input on case Discussing examples presented. examples of cases that will Students collect discussion results be taken. according to the agreed Collecting and processing time limit. Presenting and responding to supporting data TM: 3x170'] Analyzing cases and their Student Assignment: solutions Searching, identifying Preparing scientific articles in presentations. reputable journals -Step 4: Group Learning Form: Lecture Presentation. via vinesa/qc/meet Lecturer Learning Method Step examines the 1: Preparing Case Examples Basic presentation, provides Questions opportunities for questions and The lecturer asks: what are the public problems answers. that emergence, Provides time causes, effects? students to Students respond to reflect and revise lecturer's questions, cases question and answer presented. Step 2: Determine . Provide discussion procedures (Individual/Ex) suggestions and input on case Lecturer determines examples collection procedures presented. and time . Students collect Lecturer makes agreement on deadline discussion for collection, results according to the agreed Gives students time to form groups Students Agree on schedule, time limit. Presenting and responding to Arrange groups, questions Step 3: TM: 3x170'] Group Discussion -Student Lecturer conducts Assignment observing/paying Searching, identifying attention to the discussion process scientific articles providing information if in reputable necessary encouraging all active journals , Learning Form: group members Students, Discussing Lecture via vinesa/gc/meet examples of cases that Learning Method will be taken. Collecting Step 1: and processing Preparing Case supporting data Analyzing cases and their solutions. Examples Basic Questions The lecture Preparing

asks: what are	presentations.	1	
the public	Step 4: Group		
problems that	Presentation.		
emergence,	Lecturer examines the		
causes, effects?	presentation, provides		
Students	opportunities for		
respond to	questions and		
lecturer's	answers.		
questions,	Provides time. students		
question and	to reflect and revise		
answer	cases presented.		
Step 2:	Provide suggestions		
Determine	and input on case		
discussion	examples presented.		
procedures	Students collect		
(Individual/Ex)	discussion results		
Lecturer	according to the agreed		
determines	time limit. Present and		
collection	respond to questions		
procedures and			
time	- Student Assignment:		
	- Searching to identify		
agreement on	scientific articles in		
deadline for	national journals and		
collection,	international journals		
Gives students	2 x 50"		
time to form			
groups Students			
Agree on schedule.			
Arrange groups,			
Step 3:			
Group			
Discussion			
Lecturer			
conducts			
observing/paying			
attention to the			
discussion			
process,			
providing			
information if			
necessary,			
encouraging all			
active group			
members			
. Students.			
Discussing			
examples of			
cases that will			
be taken.			
Collecting and			
processing			
supporting data.			
Analyzing cases			
and their			
solutions.			
Preparing			
presentations.			
Step 4: Group			
Presentation.			
Lecturer			
examines the			
presentation, provides			
opportunities for			
questions and			
answers.			
Provides time.			
students to			
reflect and revise			
cases			
presented.			
Provide			
suggestions and			
input on case			
examples			
presented.			
Students collect			
discussion			
1. 11			
results according			
to the agreed			
to the agreed time limit.			1
to the agreed time limit. Present and			
to the agreed time limit. Present and respond to			
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to the agreed time limit. Present and respond to questions			
to the agreed time limit. Present and respond to questions Student			
to the agreed time limit. Present and respond to questions - Student Assignment:			
to the agreed time limit. Present and respond to questions Student Assignment: - Searching to			
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to the agreed time limit. Present and respond to questions - Student Assignment: - Searching to identify scientific articles in national journals			
to the agreed time limit.  Present and respond to questions  - Student Assignment: - Searching to identify scientific articles in			

Evaluation Percentage Recap: Project Based Learning

Evaluation Fercentage Recap. Froject						
No	Evaluation	Percentage				
1.	Participatory Activities	100%				
		100%				

## Notes

- 1. 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
- 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.

  Program Objectives (PO) are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or 3. 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.
- 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.

  Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined 5.
- indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- Forms of assessment: test and non-test.
- 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.