

COURSE PORTFOLIO

English

Academic Year – 2020/2021

- PLO 1 Able to apply religious attitudes, demonstrate an internalizing academic and human values
- PLO 2 Able to demonstrate excellence, honesty, competitiveness, leadership, and possessing social sensitivity to society and the environment
- PLO 3 Able to demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner
- PLO 4 Able to communicate ideas, scientific research results clearly in oral or written format to scientists and the wider community
- PLO 5 Able to Integrating mathematical and basic concepts of science to solve problems in chemistry
- PLO 6 Able to master the knowledge of chemistry (organic chemistry, inorganic, analytical, physical, and biochemical)
- PLO 7 Able to understand concepts and applications in the field of biosciences and materials chemistry to solve problems in the field of chemistry and its applications
- PLO 8 Able to understand operational knowledge about functions, how to operate chemical instruments, and analysis of data and information from these instruments
- PLO 9 Able to understand work safety, ethics, environmental issues, and policies related to the chemical field
- PLO 10 Able to carry out laboratory and research work by paying attention to the safety and security of laboratory work and applying responsible scientific behavior.
- PLO 11 Able to obtain, process, interpret, and evaluate scientific data and produce conclusions by considering scientific and technological aspects and scientific ethics.
- PLO 12 Able to solve science and technology problems in chemistry independently based on relevant scientific methodologies and present it as a scientific work.

Course Outcome (CO):

CO 1.	Analyzing English applications in chemistry/chemistry education (English for Specific Purposes)
CO 2.	Analyzing the concepts of grammar, words and sentences in English
CO 3.	Analyzing seminars/lectures (listening)
CO 4.	Analyzing reference (journals, books, etc.)
CO 5.	Compile written works based on analysis of various reference

CO 6.	Presenting the analysis result and papers
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Lecturers:

1. **Dr. Hanhan Dianhar, M.Si.**
2. **Ella Fitriani, M.Pd.**
3. **Yussi Pratiwi, M.Si., M.Sc.**
4. **Elma Suryani, M.Pd.**
5. **Elsa Vera Nanda, M.Si.**

Mapping Course Learning Outcome (CO) and Program Learning Outcome (PLO)

Program Learning Outcome	Course Outcome	PLO 3. Able to demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner	PLO 4. Able to communicate ideas, scientific research results clearly in oral or written format to scientists and the wider community
	CO 1. Analyzing English applications in chemistry/chemistry education (English for Specific Purposes)	• (Assignment, Quiz)	
	CO 2. Analyzing the concepts of grammar, words and sentences in English	• (Assignment, Quiz)	
	CO 3. Analyzing seminars/lectures (listening)	• (Assignment, Quiz)	
	CO 4. Analyzing reference (journals, books, etc.)		• (Midterm Exam)
	CO 5. Compile written works based on analysis of various reference	• (Assignment, Quiz)	
	CO 6. Presenting the analysis result and papers		• (Final Exam)

Forms of Assessment

Group/Individuals Assignment	= 20%
Quiz	= 20%
Midterm examination	= 30%
Final examination	= 30%
Total	= 100%

	PLO 3 Critical Thinking	PLO 4 Communicating
Group/Individuals Assignment	50%	50%
Quiz	50%	50%
Midterm examination	40%	60%
Final examination	40%	60%

Outcomes Assessment

No	Name	Assignment	Quiz	Midterm Exam	Final Exam	Final Grade and Score	
1	A	82	85	71	81	79,00	B+
2	B	76	85	71,75	83,5	78,78	B+
3	C	75	85	71,25	81,4	77,80	B+
4	D	83	90	75,25	86,2	83,04	A-
5	E	85	85	76,25	84,1	82,11	A-
6	F	75	80	68,75	66,8	71,67	B
7	G	80	85	62,5	79	75,45	B

Calculation of Weight per PLO

Form of Assessment	Weight	Weight per PLO		Total	Total Weight	
		PLO 3	PLO 4		PLO 3	PLO 4
Assignment	0,20	0,5	0,5	1,00	0,10	0,10
Quiz	0,20	0,5	0,5	1,00	0,10	0,10
Midterm Exam	0,30	0,4	0,6	1,00	0,12	0,18
Final Exam	0,30	0,4	0,6	1,00	0,12	0,18
Total	1,00	1,80	2,20	1,00	0,44	0,56

Example of PLO Calculation

No	Name	Assignment	Quiz	Midterm Exam	Final Exam	Final Score and Grade	
1	A	82	85	71	81	79,00	B+

No	Name	PLO 3	PLO 4
1	A	$((82*0.1) + 85*0.1) + (71*0.12) + (81*0.12) / 0.44 = 79.41$	$((82*0.1) + 85*0.1) + (71*0.18) + (81*0.18) / 0.56 = 78.68$

PLO Assessment Rubric

PLO	Performance Criteria	Excellent (E)	Good (G)	Satisfy (S)	Fail (F)
3	Demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner	Students are able to demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner, at with a score of at least 80.	Students are able to demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner with a score of at least 70 and less than 80..	Students are able to demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner with a score of at least 70 and less than 80.	Students are able to demonstrate performance independently or as part of a team professionally and measurably by applying interdisciplinary knowledge and skill, critical, and creative thinking in the context of being a lifelong learner with a score of less than 60.
6	Write and communicate a scientific report based on the research data effectively and to publish in a reputable scientific journal	Students are able to communicate ideas, scientific research results clearly in oral or written format to scientists and the wider community at with a score of at least 80.	Students are able to communicate ideas, scientific research results clearly in oral or written format to scientists and the wider community with a score of at least 70 and less than 80.	Students are able to communicate ideas, scientific research results clearly in oral or written format to scientists and the wider community with a score of at least 70 and less than 80.	Students are able to communicate ideas, scientific research results clearly in oral or written format to scientists and the wider community with a score of less than 60.

Example of PLO Predicates for Each Student

No	Name	PLO 3	PLO 4
1	A	79.41 Good	78.68 Good

PLO Predicates for All Students

No.	Name	Assignment	Quiz	Midterm Exam	Final Exam	Final Grade and Score		PLO 3	PLO 4	PLO 3	PLO 4
1	A	82	85	71	81	79,00	B+	79,41	78,68	G	G
2	B	76	85	71,75	83,5	78,78	B+	78,93	78,65	G	G
3	C	75	85	71,25	81,4	77,80	B+	78,00	77,64	G	G
4	D	83	90	75,25	86,2	83,04	A-	83,35	82,79	E	E
5	E	85	85	76,25	84,1	82,11	A-	82,37	81,90	E	E
6	F	75	80	68,75	66,8	71,67	B	72,20	71,25	G	G
7	G	80	85	62,5	79	75,45	B	76,09	74,95	G	G

Distribution of PLO Achievements

		PLO 3	PLO 6
%	E	71,42857143%	71,42857143%
%	G	28,57142857%	28,57142857%
%	S	0%	0%
%	F	0%	0%
		100%	100%

Achievement Percentage of PLO

