

SEMESTER LEARNING PLAN

KIM 491
COLLOQUIUM (SEMINAR ON FINAL PROJECT PROPOSAL)
CR 1(1-0)

SEMESTER LEARNING PLAN

Course Name	: Colloquium/Proposal Seminar
Code/Semester Credit System	: KIM491/1(1-0)
Semester	: Odd/Even
Course Description	: The Colloquium/Seminar on Final Project Proposal course is one of the compulsory courses for students of the Bachelor of Chemistry study program that can be taken with the requirement that students have achieved credits ≥ 110 credits and a GPA of ≥ 2.0 . The activities of the colloquium consist of: <ol style="list-style-type: none"> 1 Student participation as participants/audiences at least 10x in colloquiums/seminars on final project proposals in similar scientific fields, 2 Consultations and discussions with the supervisory committee at least 4x before the presentation of the final project proposal is carried out, 3 Independent activities include searching literature and scientific analysis of supporting data/methods/theories according to the proposed ideas/ideas/topics. 4 Preparation of proposals according to scientific paper writing guidelines, 5 Presentation of the final assignment proposal. 6 Improvement of the final project proposal according to input/recommendations at the time of presentation of the proposal.
Prerequisite Courses (if any)	: There are no prerequisite courses.
Course Learning Outcomes	: <ol style="list-style-type: none"> 1 Can conceptualize chemistry to solve problems according to the proposed final project topic including agriculture, agromaritime, or tropical biosciences. 2 Can compile a final project proposal paper according to scientific paper writing guidelines. 3 Can verbally communicate the final project proposal paper in a scientific forum managed by the study program.
Study Materials on the <i>Royal</i>	: •

<i>Society of Chemistry (RSC) Chemical Curriculum Map</i> ²⁾	
Divisions/Fields of Science	: Department/Chemistry
Lecturer (Teaching Team)	: 1 Akademic Committee of Chemistry Master Study Program 2 Student Advisory Commission for Graduate Chemistry Study Program

¹⁾Response/practicum activities are expressed in credits, not in the number of hours

²⁾see the Excel file Chemistry Curriculum Map from RSC

Undergraduate Learning Outcomes charged to Course Learning Outcomes

Learning Outcome	A1	A2	A3	B1	B2	B3	B4	C1	C2
1 Knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
2 Specific skills				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3 General attitudes and skills								<input type="checkbox"/>	<input type="checkbox"/>

I. LESSON PLAN

Activities-	Expected end capability-subl-LO	Study materials (teaching materials)	Learning methods	Estimated Time	Student learning experience	Valuation			Reference
						Criterion	Indicator	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Can formulate ideas or ideas in the form of draft proposals.	<ul style="list-style-type: none"> - Objectives, functions, and importance of colloquium/seminar proposals in achieving a bachelor's degree in chemistry. - Final project ideas - Special topics of draft proposals - Search literature through various sources (primary, secondary, digital, non-digital) - Scientific studies/studies on data/methods/theories supporting the draft proposal. 	Project Based Learning	8 x 60 minutes	<ul style="list-style-type: none"> a Gain insight and explanation of the proposal design through PBL b Interact with students and: <ul style="list-style-type: none"> 1 Lecturers 2 Other students 3 Teaching materials c Obtain conformity/understanding, opinions, agreements, and joint decisions on a problem. 	Hard Skills: Completeness and correctness about: <ul style="list-style-type: none"> - Objectives, functions, and importance of colloquium/seminar proposals in achieving a bachelor's degree in chemistry. - Final project focus/topic - Literature search - Scientific studies Soft Skills: <ul style="list-style-type: none"> a Activeness b Cooperation c Responsibility d Discipline e Accuracy and completeness in formulating the problem-solving. 	Suitability and accuracy of formulating ideas or ideas to produce a draft proposal		1,2
2	Can write proposals according to scientific paper writing guidelines.	<ul style="list-style-type: none"> - Proposal title - Introduction (background, problem statement, objectives) - Literature review - Research methods 	Project Based Learning	16 x 60 minutes	<ul style="list-style-type: none"> a Gain insight and explanation of proposal preparation through PBL b Interact with students and: <ul style="list-style-type: none"> 1 Lecturers 2 Other students 	Hard Skills: Completeness and accuracies about: <ul style="list-style-type: none"> a Proposal title b Definition (background, problem statement, objectives) c Literature review 	Suitability, accuracy, and neatness in compiling scientific paper proposals in accordance with the guidelines for writing scientific papers		

					3 Teaching materials c Obtain conformity/understanding of opinions, agreements, and joint decisions on a problem.	d Research methods Soft Skills: a Activeness b Cooperation c Responsibility d Discipline e Accuracy and completeness in formulating the problem-solving.			
3	Can communicate and formulate the results of discussions with the supervisory committee to improve the final project proposal	- Consultation/Discussion with the advisory committee	Face-to-face, online synchronous and asynchronous	8 x 60 minutes	a Gain insight and explanation to improve the proposal through face-to-face, online, synchronous and asynchronous learning. b Interact with students and: 1 Lecturers 2 Other students 3 Teaching materials c Obtain conformity/understanding, opinions, agreements, and joint decisions on a problem.	Hard Skills: - Punctuality of attendance - readiness of materials used for discussion with the advisory committee. Soft Skills: a Activeness b Cooperation c Responsibility d Discipline e Accuracy and completeness in formulating the problem-solving.	Proficiency in communicating with advisory committees, suitability and accuracy in formulating the results of discussions with the supervisory committee aimed at improving the final project proposal		
4	Can practice the role as a participant in a good final project proposal colloquium/seminar forum and actively provide suggestions and input for proposal improvements	- Attendance at the colloquium forum/proposal seminar	Face-to-face, hybrid (online and face-to-face)	10 x 50 minutes	a Acting as a participant in a good and active final project proposal forum/seminar through face-to-face and hybrid learning b Interact with	Hard Skills: - Punctuality of attendance in colloquium forum/proposal seminar Soft Skills: a Activeness b Cooperation	Ability to communicate in colloquium forums/proposal seminars and play an active role in providing suggestions and input		

					<p>students and: (i) Lecturers (ii) Other students</p> <p>c Obtain conformity/understanding of understanding, opinions, agreements, and joint decisions on a problem.</p> <p>c Responsibility d Discipline e Accuracy and completeness in formulating the problem-solving.</p>			
5	Can present a final project proposal	- Final project proposal presentation	Face-to-face, hybrid (online and face-to-face)	1 x 50 minutes	<p>a Acting as a participant in a good and active final project proposal forum/seminar through face-to-face and hybrid learning</p> <p>b Interact with students and: 1 Lecturers 2 Other students 3 RTeaching materials</p> <p>c Obtain conformity/understanding of understanding, opinions, agreements, and joint decisions on a problem.</p>	<p>Hard Skills: 1 Accuracy, suitability, and attractive display of the slide 2 Timing during presentation 3 Suitability of using the proposal writing format with scientific paper writing guidelines 4 Material mastery</p> <p>Soft Skills: 1 Activeness 2 Cooperation 3 Responsibility 4 Discipline 5 Accuracy and completeness in formulating the problem-solving.</p>	- Proficiency as a presenter in a scientific forum - Accuracy, suitability, and attractive display of the slide - Proposal writing format according to Guidelines for Writing Scientific Papers	
6	Can revise the final project proposal according to input and suggestions in the colloquium scientific forum/proposal seminar	- Rules for revision of final project proposals according to input and suggestions in the colloquium scientific	Project-based learning	5 x 50 minutes	<p>a Obtain input and suggestions in order to improve the Proposal through project-based learning.</p> <p>b Interact with</p>	<p>Hard Skills: - The results of the proposal revision according to input and suggestions in the colloquium forum / proposal</p>	- Proficiency in communicating with advisory committees - Suitability and accuracy in revising the final project proposal according	

		forum/proposal seminar			students and: 1 Lecturer 2 Other students 3 Teaching materials c Obtain conformity/understanding of understanding, opinions, agreements, and joint decisions on a problem.	seminar Soft Skills: a Activeness b Cooperation c Responsibility d Discipline e Accuracy and completeness in formulating the problem-solving.	to suggestions and input during the proposal presentation		
		-	Total time	2720 minutes					

II. ASSESSMENT PLAN

No	Learning Outcome	Assignment (Resume/Paper/Presentation/Small Project, others) ³⁾	Project Based Learning,	Assignment (PBL)	Practicum /Tutorial	Test		
						Mid test	Final Test	Quiz
1	Can conceptualize chemistry to solve problems according to the proposed final project topic including agriculture, agromaritime, or tropical biosciences.	Resume, proposal manuscript	√	√	-	-	-	-
2	Can compile a final project proposal manuscript to scientific paper writing guidelines.	Resume, proposal manuscript	√	√	-	-	-	-
3	Can verbally communicate the final project proposal manuscript in a scientific forum managed by the study program	Resume, proposal manuscript, presentation slides	√	√	-	-	-	-

³⁾Choose one

III. SCORE WEIGHTS

Evaluation Criteria	Score	Score Weight (%)	Valuation	Description
I Participatory Activities				
II Project Results	50-100	100	Individual score	<ul style="list-style-type: none"> - Independent/individual - Target project outcome: final project proposal - Project results assessment rubric components <ul style="list-style-type: none"> • Suitability and accuracy of project results (final project proposal) according to scientific paper writing guidelines • Ability to present the final project proposal in the colloquium scientific forum/proposal seminar
Cognitive/Knowledge:				
Mid Semester Test	-----	-----	-----	-----
Final Semester Test	-----	-----	-----	-----
Quiz	-----	-----	-----	-----
Structured Tasks	-----	-----	-----	-----
Practicum/Assessment	-----	-----	-----	
Final Value KIM 491 Colloquium SKS 1(1-0)		100		

FINAL ASSESSMENT OF COURSES

The final assessment results of **KIM 491 Colloquium 1(1-0)** are expressed by grade and scores

The final assessment of the course can be done in 3 (three) ways, namely:

- 1 Predetermined assessment system (PAP)
- 2 Normal assessment system (PAN)
- 3 Combination of the predetermined assessment system and the normal assessment system

KIM 491 Colloquium 1(1-0) uses a combined assessment of PAP and PAN, with **the minimum approval criteria being 40 (forty) or the lower limit of D.**

Examples of Final assessments are as follows:

Grade	C Range
A	$A \geq 80.0$
AB	$75,0 \leq AB < 80.0$
B	$70.0 \leq B < 75.0$
BC	$65.0 \leq BC < 70.0$
C	$60.0 \leq C < 65.0$
D	$D < 60.0$

IV. ASSESSMENT RUBRIC
- PROJECT RESULTS

Score Range	Group Project Assessment Criteria
A (≥ 80.0)	if students can: <ol style="list-style-type: none"> Complete projects on time Projects are carried out neatly, clearly, and systematically in their stages of work. The entire project is done 100% true and clear. How to complete the project in accordance with the rules/principles of study materials The presentation was very well done
AB ($75,0 \leq AB < 80.0$)	If students can: <ol style="list-style-type: none"> Complete projects on time Projects are carried out neatly, clearly, and systematically in their stages of work. All projects are done 80-<100% right. How to complete the project in accordance with the rules/principles of study materials Presentation well done
B ($70.0 \leq B < 75.0$)	if students can: <ol style="list-style-type: none"> Completing the project beyond the agreed time The project is not done neatly, clearly, and systematically in its stages. Project correctness is 50-<80% correct. How to complete the project is not in accordance with the rules/principles of study materials The presentation was moderately done

V. REFERENCES

Recommended Required and Supporting Reading Books:

- 1 Guidelines for Writing Scientific Papers. Latest Edition, IPB Press
- 2 Other Reference Libraries that support the final project proposal