IPB UNIVERSITY
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
DEPARTEMEN KIMIA

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SEMESTER LEARNING PLAN

KIM 492
FINAL PROJECT RESULTS SEMINAR
CR 1(1-0)

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SEMESTER LEARNING PLAN

Course Name	:	Final Project Results Seminar
Semester Credit Code	:	KIM492/1(1-0)
Semester	:	Odd/Even
Course Description	:	The **Final Project Results Seminar** course is one of the compulsory courses for study program students Bachelor of Chemistry that can be taken with the requirement that students have attended colloquium lectures/proposal seminars. The results seminar activities consist of: 1 Student participation as participants/audiences as much as at least 10x in seminars on the results of final projects in similar scientific fields and 2 (two) of them are English seminars. 2 Consultation and discussion with the supervisory committee at least 4x before the presentation of the final project proposal is carried out, 3 Independent activities include searching literature/literature and scientific review of supporting data/methods/theories according to proposals and final project activities. 4 Preparation of thesis/final project report according to scientific paper writing guidelines, 5 Thesis Presentation/Final Project Report 6 Improvement of thesis/final project report according to input/recommendations when the presentation of the final project results is carried out
Prerequisite Courses	:	KIM491 (Colloquium/Final Project Proposal Seminar)
Course Learning Outcomes	:	1 Can conceptualize chemistry broadly and in a balanced manner to solve problems according to the final task topics implemented including agriculture, agromaritime, or tropical bioscience. 2 Can compile a thesis / final project report according to scientific paper writing guidelines. 3 Can communicate orally the thesis / final project report in a scientific forum managed by the study program
Study Materials on the *Royal Society of Chemistry (RSC)*	:	

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Chemical Curriculum Map[2)]	
Divisions/Fields of Science	: Department/Chemistry
Lecturers (Teaching Team)	: 1 Academic Committee of Master Program of Chemistry 2 Student Advisory Commission for Undergraduate Chemistry Study Program 3 Examiner/Moderator of Results Seminar

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

[2)]see the Excel file Chemistry Curriculum Map from RSC

Graduate Learning Outcomes) charged to Course Learning Outcomes

Learning Access	A1	A2	A3	B1	B2	B3	B4	C1	C2
1 Knowledge	□	□	□						
2 Specific skills				□	□	□	□		
3 General attitudes and skills								□	□

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I. LESSON PLAN

Activities-	Expected end capability-sub-O	Study materials (teaching materials)	Learning methods	Estimation Time	Student learning experience	Valuation			Reference library
						Criterion	Indicator	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Can analyze and interpret data generated from final project activities according to the rules of chemistry.	- Qualitative Analysis - Quantitative analysis - Statistical analysis (if needed)	Project Based Learning	8 x 60 minutes	a Gain insight and skills in conducting qualitative analysis, quantitative analysis, and statistical analysis (if needed) through PBL b Interact with students and: i. Lecturera ii. Other students iii. Literatures c Obtain conformity/understanding of opinions, agreements, and joint decisions on a problem.	**Hard Skills:** Completeness and accuracy about: a Qualitative Analysis b Quantitative Analysis c Statistical analysis (if needed) **Soft Skills:** a) Activeness b) Cooperation c) responsibility d) Discipline e) Accuracy and completeness in formulating the problem solving.	Suitability and accuracy of analyzing and interpreting data resulting from final project activities in accordance with the rules of chemistry		1,2
2	Can write a thesis/final project report according to scientific paper writing guidelines.	- Report title - Introduction (background, problem statement, objectives) - Literature review - Research methods - Results and discussion - Conclusions and suggestions	Project Based Learning	16 x 60 minutes	a) Gain insight and skills in writing a thesis / final project report according to the guidelines for writing scientific papers through Project Based Learning b) Interact with students and:	**Hard Skills:** Fittings and permissions about: a. Report Title b. Introduction (background, problem statement, objectives) c. Literature Review d. Research	Suitability, accuracy, and neatness in writing a thesis / final project report according to scientific paper writing guidelines		

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		- Attachments			(i) lecturer (ii) Other students (iii) Reference Library c) Obtain conformity / understanding of understanding, opinions, agreements, and joint decisions on a problem.	Methods e. Results and Discussion f. Conclusions and Suggestions g. Attachments **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 report	- 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 Final Project Report through face-to-face, online, synchronous and asynchronous learning. b. Interact with students and: (i) lecturer (ii) Other students (iii) Reference Library c. Obtain conformity / understanding of 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:** 1. Activeness 2. Cooperation 3. responsibility 4. Discipline a. 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 report		
4	Can practice the role as a participant in a seminar forum on good	Attendance in the seminar forum of the final result of the task	Face-to-face Hybrid (online and face-to-face)	8 x 50 minutes	a. Acting as a participant in a good and active	**Hard Skills:** Timeliness Attendance in the forum of the	Ability to communicate in the final project seminar forum and		

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	final project results and actively provide suggestions and input for proposal improvements				final project seminar forum through face-to-face and hybrid learning b. Interact with students and: (i) Lecturer (ii) Other students c. Obtain conformity / understanding of understanding, opinions, agreements, and joint decisions on a problem.	final task seminar **Soft Skills:** 1. Activeness 2. Cooperation 3. responsibility 4. Discipline 5. Accuracy and completeness in formulating the problem solving.	play an active role in giving suggestions and input		
5	Can practice the role as a participant in a scientific seminar forum / final project seminar in good English and actively provide suggestions and input for the improvement of the final project results	Attendance in scientific seminar forum/final project seminar	Face-to-face Hybrid (online and face-to-face)	2 x 50 minutes	a. Acting as a participant in a good and active scientific seminar / final project seminar through face-to-face and hybrid learning b. Interact with students and: (i) Lecturer (ii) Other students c. Obtain conformity / understanding of understanding, opinions, agreements, and joint decisions on a problem.	**Hard Skills:** Punctuality of attendance in scientific seminar forum / final project seminar **Soft Skills:** a. Activeness b. Cooperation c. responsibility d. Discipline e. Accuracy and completeness in formulating the problem solving.	Ability to communicate in scientific seminar forums / final project results seminars and play an active role in providing advice and input		
6	Can present the final project report	Final project report presentation	Face-to-face Hybrid (online and face-to-face)	1 x 50 minutes	a. Acting as a participant in a good and active final project seminar forum through face-to-face and hybrid	**Hard Skills:** - Accuracy, suitability, and attractive display of the slide - Timing during presentation	- Proficiency as a presenter in a scientific forum - Accuracy, suitability, and attractive display of the slide - Final Project Report		

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					learning b. Interact with students and: (i) lecturer (ii) Other students (iii) Reference Library c. Obtain conformity / understanding of understanding, opinions, agreements, and joint decisions on a problem.	- Suitability of the use of the final project report writing format with scientific paper writing guidelines - Material mastery **Soft Skills:** 1. Activeness 2. Cooperation 3. responsibility 4. Discipline 5. Accuracy and completeness in formulating the problem solving.	Writing Format with Guidelines for Writing Scientific Papers		
7	Can revise the final project report according to input and suggestions in the scientific forum final project seminar	Rules for revision of the final project report according to input and suggestions in the scientific forum, seminar, and final project results	Project Based Learning	5 x 50 minutes	a. Obtain input and suggestions to improve the final project report through proiect-based learning. b. Interact with students and: (i) lecturer (ii) Other students (iii) Reference Library c. Obtain conformity / understanding of understanding, opinions, agreements, and joint decisions on a problem.	**Hard Skills:** The results of the revision of the final project report according to input and suggestions in the colloquium forum / proposal seminar **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 revising the final project report according to suggestions and input during the presentation of the final project report		
		-	**Total time**	**2720 minutes**					

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II. ASSESSMENT PLAN

No	Learning Access Courses	ASSIGNMENTS (Resume/Paper/Presentation/Small Project, others)[3)]	Project (PjBL)	Assignment (PBL)	Practicum /Tutorial	TEST		
						Mid Test	Final Test	Quiz
1	Can conceptualize chemistry broadly and in a balanced manner to solve problems according to the final task topics implemented including agriculture, agromaritime, or tropical bioscience.	Resume, Final Project Report Paper	√	√	-	-	-	-
2	Can compile a thesis / final project report according to scientific paper writing guidelines.	Resume, Final Project Report Paper	√	√	-	-	-	-
3	Can communicate orally the thesis / final project report in a scientific forum managed by the study program	Resume, Paper, Task Report Paper, Presentation Slide	√	√	-	-	-	-

[3)]Choose one

III. SCORING WEIGHTS

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Evaluation Criteria	Value Range	Value Weight (%)	Valuation	Description
I. Participatory Activities				
II. Project Results	50-100	100	Individual Values	- Independent/Individual - Target Project Deliverable: Final project report - Project Results Assessment Rubric Components • Suitability and accuracy of project results (final project report) according to scientific paper writing guidelines • Ability to present the final project report in a scientific forum seminar on the results of the final project
Cogitive/Knowledge:				
Middle Semester Test	-----	-----	-----	-----
Semester Final Test	-----	-----	-----	-----
Quiz	-----	-----	-----	-----
Structured Tasks	-----	-----	-----	-----
Practicum/UP Assessment	-----	-----	-----	
Final Value KIM 491 Colloquium SKS 1(1-0)		**100**		

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FINAL ASSESSMENT OF COURSES

The final assessment results of **KIM 492 Seminar Results 1(1-0)** are expressed with quality letters (HM) and quality scores (AM)

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

1. Tree Mold Assessment System (PAP)
2. Normal Mold Assessment System (PAN)
3. Combination of Tree Mold and Normal Mold Assessment System

KIM 492 Revenue Seminar 1(1-0) uses a combined assessment of PAP and PAN, with **the minimum approval criteria being 40 (*forty*) or the lower limit of value D.**

Examples of Final assessments are as follows:

Quality Letter (HM)	Value Range (AM)
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	$D < 60.0$

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IV. ASSESSMENT RUBRIC

a. PROJECT RESULTS

Value Range	Group Project Assessment Criteria
A (≥ 80.0)	If students can: - 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 ≤ AB < 80.0)	If students can: - 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 ≤ B < 75.0)	if students can: - 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 done moderately

b. REFERENCES

Recommended Reading Books Required and Supporting:

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