

Course Code	TKIE164201	
Course Name	Thesis and Oral Examination	
Course Instructors	Instructor may varies	
Course Type	Required	
Course Classification	Engineering Topics	
Credit / Contact Hour per Week	4	
Course Description	Thesis and oral examination is a final course in the student's field of study as well as a defense of the thesis. The student should meet at least 10 sessions of thesis discussion before to go the oral examination. The department is required to post prominently the date, time, and place of the oral examination after the student fulfil the needs	
Prerequisites Courses	Pass the entire required course.	
Covered Student Outcome	<b>Engineering Design (c)</b> <b>Effective Communication (g)</b> <b>Professional and Ethical Responsibility (i)</b> <b>Engineering Awareness and Society (j)</b> <b>Sustainable Learning (k)</b>	
Learning Outcome		
		Study Program Student Outcome
No	Learning Outcome	SO(a) – SO(k)
1.	Students are able to design engineering solution, considering multiple constraints.	Engineering Design
2.	Students are able to understand the impact of their design on the society and environment.	Engineering Awareness and Society
3.	Students are able to deliver technical oral presentation and answer questions effectively.	Effective Communication
4.	Students are able to use good ethical manners to answer the questions	Professional and Ethical Responsibility
5.	Students are able to demonstrate that they always follow an up-to-date information with respect to their thesis area.	Sustainable Learning
Topic		
Direct Assessment	<b>Direct Assessment Plan</b>	<b>Measured Learning Outcome</b>
	Thesis Review Examination	LO1-LO5
	Oral Defense	LO1-LO5
Indirect Assessment	Questionnaire and direct communication	
References	1. Daniel Meeroff , Frederick Bloetscher. 2015. Practical Concepts for Capstone Design Engineering. J. Ross Publishing 2. John K. Estell , Kenneth J. Reid. 2017. Engineering Design and the Product Life Cycle. Momentum Press. 3. Elizabeth Orwin , Patrick Little , Clive L. Dym. 2013. Engineering Design: A Project-Based Introduction, Fourth Edition. John Wiley & Sons	