

SYLLABUS


TLI 653 Proposal dan Seminar Tesis (Thesis Proposal and Seminar)

Lecturers:

Dr.Eng Shinta Indah

Dr.Eng Shinta Silvia

**MASTER STUDY PROGRAM OF ENVIRONMENTAL ENGINEERING
FACULTY OF ENGINEERING
UNIVERSITAS ANDALAS
2020**

	SYLLABUS SEMESTER	No.Dok :
	(TLI 653 Thesis Proposal and Seminar)	Revisi :
		Tanggal : June 2020
		Halaman:
Completed by:	Checked by:	Approved by:
Dr. Eng. Shinta Silvia NIP 197611242008012007	Reri Afrianita, MT NIP. 197704172006042002	Dr.Eng Zulkarnaini NIP 198004212009121003
Lecturer	Head of QC	Head of Master Study Program
SYLLABUS		
1. Lecture Information		
Study Program Name : Environmental Sanitation Infrastructure		
Lecture Name : Thesis Proposal and Seminar		
Lecture Code : TLI 653		
Category : Required		
Unit : 2 units		

Year	: Year 1
Semester	: 1 (one)
Prasyarat	: -
Status (required/elective)	: Required
Lecturers	: 1. Dr.Eng Shinta Indah 2. Dr.Eng Shinta Silvia

2. Description of Lecture

The lecture discusses the Plagiarism awareness and basics of literature search Using Endnote for referencings, Reading and academic writing, presenting, Reflection on ethics in own research work. Develop a research proposal and protocol, Establish links between theory and methods within the field of study. From different methodologies, methods and forms of analysis to produce and justify a suitable research design, Ethical issues associated with practitioner research, Research-based project, Analyse data and synthesize research findings, Report findings in written and verbal forms.

3. Learning Achievement of Study Program

- able to deepen or expand knowledge in the field of design, operation and maintenance of engineering systems and environmental management to make original and tested contributions through independent research;
- able to formulate new ideas (new research questions) from the results of research carried out for the development of technology and environmental management systems.

4. Learning Achievement of Lecture

1. Plagiarism awareness and basics of literature search Using Endnote for referencings
2. Reading and academic writing, presenting
3. Reflection on ethics in own research work
4. Develop a research proposal and protocol
5. Establish links between theory and methods within the field of study
6. From different methodologies, methods and forms of analysis to produce and justify a suitable research design
7. Ethical issues associated with practitioner research
8. Research-based project
9. Analyse data and synthesize research findings
10. Report findings in written and verbal forms

5. Description of Lesson Plan

Week	Indicator of Learning Achievements of Subjects	Topics	Method of Learning	Course Time	Assignment and evaluation	Reference
1	Students are to explain about plagiarism awareness and basics of literature search Using Endnote for referencings	Referencing guidelines	Lecture and discussion	3x50 minutes	work individual and / in groups	
2	Students are able to critical reading and academic writing, presenting	Critical reading and academic writing, presenting	Lecture and discussion	3x50 minutes	work individual and / in groups	
3	Students are able to explain about reflection on ethics in own research work	Research ethics	Lecture and discussion	3x50 minutes	work individual and / in groups	
4,5	Students are table to develop a research proposal and protocol	Research	Individual Presentation	3x50 minutes	work individual	
6,7	Students are able to establish links between theory and methods within the field of study	Research	Individual Presentation	3x50 minutes	work individual	
8	Mid-term Examination					
9	Students are able to select from different methodologies, methods and forms of analysis to	Research	Individual Presentation	3x50 minutes	work individual	

	produce and justify a suitable research design					
10	Students are able to demonstrate an understanding of the ethical issues associated with practitioner research	Research	Individual Presentation	3x50 minutes	work individual	
11	Students are able to carry out a substantial research-based project	Research	Individual Presentation	3x50 minutes	work individual	
12, 13	Students are able to analyse data and synthesize research findings	Research	Individual Presentation	3x50 minutes	work individual	
14, 15	Students are able to report findings in written and verbal forms	Research	Individual Presentation	3x50 minutes	work individual	
16	Final Examination					

6. References

7. Annex

Scoring Instrument: Mid-term examination : 25%; Final Examination: 30%; Assignment: 20%; Report 25%