



Course Syllabus (Academic Year 2021)

School of Interdisciplinary Studies, Kanchanaburi Campus, Mahidol University

1. **Course No. and Title** : KAED 348 English for Environmental Engineering and Disaster Management
Credit (study hours) : 2 (2-0-4)
2. **Program Name** : Bachelor of Engineering in
 Environmental Engineering and Disaster Management
3. **Course Module** : Required course (Environmental Engineering)
Pre/co-requisite :
4. **Class Semester** : 1st Semester 2nd Semester Academic Year 2021
5. **Class Schedule & Venue** :
 Room
 Laboratory Room
6. **Class Coordinator** : Nitima Sutapin, Ph.D.
 Dr. Jutamas Kaewsuk
 Contact No. : +66874266655 Email: nitima.sut@mahidol.ac.th
 +66956466473 Email : jjutamas.kae@mahidol.ac.th

7. Course Description

The development of comprehensive skills; English vocabulary for environmental engineering and disaster management; proper grammar usage; communication skill and basic report writing skill

8. Course Objectives / Course Learning Outcomes (CLOs)

No.	Objectives / CLOs	Expected Skills / Knowledge			PLOs
		Specific	Generic	Knowledge	
8.1	Understand vocabulary for environmental engineering and disaster management, proper grammar usage, communication skill, and basic report writing skill	SS1		K1	1.1
		SS2		K2	4.1
		SS3			
		SS4			

No.	Objectives / CLOs	Expected Skills / Knowledge			PLOs
		Specific	Generic	Knowledge	
8.2	Apply the vocabulary, learning strategies, and skills learned to communicate and write basic report effectively in environmental engineering and disaster management context	SS1 SS2 SS3 SS4			1.2 4.1
8.3	Study environmental engineering and disaster management researches or related documents to provide suggestions or possible solutions for environmental and disaster management issues	SS1 SS2 SS3 SS4	GS1		1.3 4.3

9. Class Instructor List

9.1 Nitima Sutapin, Ph.D. (NS) Contact No.: +66874266655 Email: nitima.sut@mahidol.ac.th

9.2 Jutamas Kaewsuk, Ph.D. (JK) Contact No.: +66956466473 Email: jutamas.kae@mahidol.ac.th

10. Course Outline

Week	Date	Contents	CLOs	Teaching & Learning Method	Instructor
1		Course Introduction and Orientation for Project-based Learning		Lecture, project-based learning, group discussion and homework assignment	NS/JK
2-4		Reading Comprehension Skill for project research in environmental engineering and disaster management	1,2,3		NS/JK
5-6		Basic report writing skill for project proposal in environmental engineering and disaster	1,2,3		NS/JK
7-8		Structuring a talk and presentation for project proposal defense	1,2,3		NS/JK
9		Project Proposal Defense (Midterm Examination)			NS/JK

Week	Date	Contents	CLOs	Teaching & Learning Method	Instructor
10-12		Basic report writing skill for project report in environmental engineering and disaster management	1,2,3	Lecture, project-based learning, group discussion and homework assignment	NS
13-14		Structuring a talk for project presentation	1,2,3		NS/JK
15-16		Visual aids for presentation	1,2,3		NS/JK
17		Project Report Presentation (Final Examination)			NS/JK
18					

11. Course Assessment

No.	Methods / Activities	Regulations	CLOs	Week	Weight Distribution (%)
11.1	Mid-term exam	<input checked="" type="checkbox"/> Content (Week 1-8) <input checked="" type="checkbox"/> Project proposal defense	1,2,3	9	20
11.2	Final exam	<input checked="" type="checkbox"/> Content (Week 10-16) <input checked="" type="checkbox"/> Project report presentation	1,2	17-18	20
11.3	Assignment	<input checked="" type="checkbox"/> Content - Research Paper Reading Logs - Presentation Structure/Outline - Visual Aids for Presentation - Attending presentation; note taking - Attending presentation; participation	1,2	All	50
11.5	Class participation	Student must attend a class more than 80% of the whole course.	-	All	10
Total					100

12. Grading System

Criterion-referenced evaluation

Grade	Score	Grade	Score	Grade	Score	Grade	Score
A	≥ 80 %	B	70 – 74.99%	C	60 – 64.99%	D	50 – 54.99%
B+	75 – 79.99%	C+	65 – 69.99%	D+	55 – 59.99%	F	< 50 %

13. References

- 13.1. Jalinus, Nizwardi. Nabawi, Rahmat Azis. and Mardin, Aznil. 2017. *The Seven Steps of Project Based Learning Model to Enhance Productive Competences of Vocational Students*. Advances in Social Science, Education and Humanities Research, vol. 102, 1st International Conference on Technology and Vocational Teachers (ICTVT 2017). p.251-256.
- 13.2 Vaughan, Andrew and Zemach, Dorothy E. 2013. *Get Ready for International Business: English for the workplace Student Book 2*. London, UK: Macmillan Education.
- 13.3 Harding, Keith., and Lane, Alastair. 2014. *International Express (Intermediate) 3rd edition*. Oxford University Press, UK.
- 13.4 Element of Project Proposal in <https://csnm.kku.ac.th/learning/course/module/lesson/114-elements-project-proposal>
- 13.5 Writing a Project Proposal in <https://undergrad.stanford.edu/opportunities/research/go-apply/writing-project-proposal>
- 13.6 How to Write a Project Report: Step-By-Step Guide in <https://status.net/templates/project-report/>
- 13.7 Hazen, Gordon B. 2004. *WRITING EFFECTIVE PROJECT REPORTS*. Department of Industrial Engineering and Management Sciences, Northwestern University. published in <http://users.iems.northwestern.edu/~hazen/Writing%20Project%20Reports%202004a.pdf>

Note:

Specific Skill (SS)	
SS1	English reading competency
SS2	English writing competency
SS3	English speaking competency
SS4	English listening competency
Generic Skill (GS)	
GS1	Systematic thinking, problem solving and analytical skills
Knowledge (K)	
K1	Essential vocabulary for environmental engineering and disaster management
K2	Grammar usage