

ENVIRONMENTAL ENGINEERING AND SUSTAINABILITY

The aim of the Department of Environmental Engineering and Sustainability is to teach and train students to be engineers with a competent knowledge (theoretical and practical) of surveying, planning and design, consulting and operating in the following fields:

1. water supply and treatment
2. drainage system and wastewater treatment
3. environmental sanitation
4. industrial environment
5. air pollution control
6. water pollution control and management
7. urban and rural sanitation
8. solid waste management
9. hazardous wastes treatment
10. environmental management

Moreover, students are obliged to use their own creative idea and self-responsibility. They are also encouraged to take an interest in techniques, foresee problems in the future and develop a sustainability of man and nature

HEAD:

Jenyuk Lohwacharin Ph.D.(Tokyo)

PROFESSORS:

Orathai	Chavalparit	Ph.D.(Wageningen)
Pisut	Painmanakul	Ph.D.(INSA-Toulouse)
Chavalit	Ratanatamskul,	Ph.D.(Tokyo)
Viboon	Sricharoenchaikul,	Ph.D.(Georgia Tech)
Benjaporn	Suwannasilp	Ph.D.(Stanford)
Patiparn	Punyapalaku,	Ph.D.(Tokyo)
Tawan	Limpiyakorn,	Ph.D.(Tokyo)

ASSOCIATE PROFESSORS:

Khemarath	Osathaphan,	Ph.D.(Oregon State)
Manaskorn	Rachakornkij,	Ph.D.(New Jersey)
Pichaya	Rachdawong,	Ph.D.(Wisconsin-Milwaukee)
Sirima	Panyametheekul,	Ph.D.(Imperial College)
Sutha	Khaodhiar,	Ph.D.(Oregon State)
Wiboonluk	Pungrasmi,	Ph.D.(Tokyo)
Khemarath	Osathaphan,	Ph.D.(Oregon State)
Dao Suwansang	Jancharoen	Ph.D.(Illinois at Urbana-Champaign)

ASSISTANT PROFESSORS:

Achariya	Suriyawong,	Ph.D.(Washington)
Chaiyaporn	Puprasert,	Ph.D.(INSA-Toulouse)
On-anong	Larpparisudthi	Ph.D.(Coventry)
Sarun	Tejasen,	Ph.D.(Oregon State)
Win	Trivitayanurak	Ph.D.(Carnegie Mellon)

LECTURERS:

Chitiphon	Chuaicham	Ph.D.(Kyushu)
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**ENVIRONMENTAL ENGINEERING CURRICULUM
FIRST YEAR CURRICULUM
COMMON TO ALL ENGINEERING STUDENTS**

COURSE NO.	SUBJECT	CREDITS	COURSE NO.	SUBJECT	CREDITS
THIRD SEMESTER			SIXTH SEMESTER		
2103213	ENG MECHANICS I	3	2112342	PRIN HYDROLOGY	3
2107311	BIO ENV ENG	3	2107462	HAZ WASTE TREAT	3
2107214	AQUA CHEM ENV ENG	3	2107444	BUILDING SAN	3
2107217	EMER PROB ENV ENG	3	2107449	IND SAFE MANAGE	2
xxxxxxx	GENERAL EDUCATION	3	2107481	INT ENV IMP ASSESSMENT	3
xxxxxxx	FREE ELECTIVE	3	2112344	HYDRAULICS LAB I	1
		18	xxxxxxx	GENERAL EDUCATION	3
					18
FOURTH SEMESTER			SUMMER SEMESTER		
2107216	CHEM LAB ENV ENG	1	2100301	ENGINEERING PRACTICE	2
2112347	FUND HYDRAULICS	2			
2107451	PRIN PUB HLTH	2			
2104201	ENG STAT I	3			
2107321	AIR QUA ENG	4			
xxxxxxx	GENERAL EDUCATION	3			
		15			
FIFTH SEMESTER			SEVENTH SEMESTER		
2107314	PHYCHEM UNIT PROC ENV ENG	3	2107413	WASTEWATER ENG	3
2107218	FUND SEP PRO ENV ENG	2	2107471	ECON ENV ENG	3
2107484	SOLID WASTE ENG	3	2107485	WASTE UTILIZATION	2
2100201	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	3	2107446	AIR QUA TOOL DATA ANA	3
			2107491	CAP PROJ	1
			5500208	COMMUNICATION AND PRESENTATION SKILL	3
					15
EIGHTH SEMESTER			EIGHTH SEMESTER		
2108298	SURVEYING	3	2107414	WAT SUP ENG	3
xxxxxxx	GENERAL EDUCATION	3	2112581	CC MIT ADAP RES	3
		17	2107450	ENV SYS AND MANAGE	3
			2107492	ENV ENG PROJ	2
			5500308	TECHNICAL WRITING FOR ENGINEERING	3
			xxxxxxx	FREE ELECTIVE	3
					17

TOTAL CREDITS FOR GRADUATION = 138