NAME OF THE DEGREE

: Master of Engineering

: M.Eng.

DEPARTMENT STAFFS

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)

ASSOCIATE PROFESSORS:

Benjaporn	Suwannasilp	Ph.D. (Stanford)	
Khemarath	Osathaphan,	Ph.D. (Oregon State)	
Manaskorn	Rachakornkij,	Ph.D. (New Jersey)	
Patiparn	Punyapalakul,	Ph.D. (Tokyo)	
Pichaya	Rachdawong,	Ph.D. (Wisconsin-	
		Milwaukee)	
Sirima	Panyametheekul,	Ph.D. (Imperial College)	
Sutha	Khaodhiar,	Ph.D. (Oregon State)	
Tawan	Limpiyakorn,	Ph.D. (Tokyo)	
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)

LECTURERS:

Win	Trivitayanurak	Ph.D. (Carnegie Mellon)
Chitiphon	Chuaicham	Ph.D. (Kyushu)

ADMISSION

The applicant must hold either a Bachelor's Degree in Engineering or related degrees and met the requirements of the Graduate School.

DEGREE REQUIREMENTS

This program consists of 24 credits of course work, of which 20 are required and 4 are electives.

A student must present an acceptable thesis and pass an oral examination in the field of specialization for a quantity of not less than 12 credits.

COURSE REQUIREMENTS

1) Prerequisite Courses

Students with bachelor's degree other than environmental engineering degree must take and pass these following four prerequisite courses with S/U grade or obtain the exemption from the department:

2107667 Fundamental Engineering for 3(3-0-9) Environmental Engineering

All Students must take and pass the following prerequisite course with S/U grade:

2107685 SEMINAR SERIES ON EMERGING 1(1-0-3) TECHNOLOGIES IN ENVIRONMENTAL ENGINEERING 2107686 SEMINAR SERIES ON PROFESSIONAL 1(1-0-3) AND RESEARCH DEVELOPMENT

2) Required Courses 18 credits

2107616	AIR QUALITY MANAGEMENT	
2107681	WATER MANAGEMENT	3(3-0-9)
	Water Treatment Processes	
2107682	WASTE ENGINEERING	3(3-0-9)
2107683	ENVIRONMENTAL ENGINEERING	3(1-6-5)
	DESIGN I	
2107684	ENVIRONMENTAL ENGINEERING	3(3-0-9))
	DESIGN II	
2107673	Principles for Environmental	3(1-6-5)
	Engineering Management	

3) Elective Courses 4 credits

Students must choose at least two elective courses from one particular field and at least another elective course from any fields with consent from the advisor.

2107530	Advanced Techniques in Physical	3(3-0-9)
	And Chemical Treatment	
2107607	Environmental Analysis	3(3-0-9)
2107608	Technology of Solid and Hazardous	3(3-0-9)
	Waste Treatment	
2107616	Air Quality Management	3(3-0-9)
2107622	Environmental Control Planning	2(2-0-6)
2107626	Stream Sanitation	2(2-0-6)
2107627	Advanced Sanitary Engineering	3(1-6-5)
	Laboratory	
2107628	Design of Water Retaining	3(1-6-5)
	Structures	
2107630	Treatment and Disposal of	3(2-3-7)
	Industrial Waste	
2107632	Environmental Impact Assessment	2(2-0-6)
2107633	Water Quality and Agriculture	3(3-0-9)
	Practice	
2107634	Advances in Environmental	2(2-0-6)
	Pollution Research	
2107635	Reading in Environmental	1(1-0-3)
	Engineering	
2107638	Plumbing Design	3(3-0-9)
2107639	Atmospheric Chemistry	3(3-0-9)
2107641	Air Polluting Control Technology	3(3-0-9)

2107642	Engineering Practices for Solid	3(3-0-9)
	Waste Disposal	
2107644	Advanced Study in Environmental	3(3-0-9)
	Engineering I	
2107645	Advanced Study in Environmental	3(3-0-9)
	Engineering II	
2107646	Chemistry for Water and	3(3-0-9)
	Wastewater Treatment	
2107654	Sampling and Analysis of Air	3(2-3-7)
	Pollutants	
2107656	Thermal Processes for Waste	3(3-0-9)
	Minimization and Utilization	
2107657	Energy and Environment	3(3-0-9)
2107660	Industrial and Hazardous Waste	3(3-0-9)
	Management	
2107663	Industrial Waste Management	3(3-0-9)
2107664	Anaerobic Wastewater Treatment	3(3-0-9)
	Technology	
2107665	Mass Transfer and Separation	3(3-0-9)
	Processes in Environmental Engine	ering
2107668	Clean-up of Contaminated Sites by	3(3-0-9)
	Biological Processes	
2107669	Environmental Impact Assessment	3(3-0-9)
2107672	Adsorption for Water and	3(3-0-9)
	Wastewater Treatment	
2107674	Treatment of Wastewater	3(3-0-9)
	Contaminated with Oil and Small	
	Particles in Environmental Enginee	ring

4) Thesis

2107811	Thesis	12	credits
2107816	Thesis	36	credits