

ACADEMIC RECORDS FOR MECHATRONIC ENGINEERING 2010 (2553) CURRICULUM

NAME _____ ID. NO. _____

SUPERVISER _____

DEPARTMENT OF MECHANICAL ENGINEERING

	Sub. No.	Subject	Credits	Semester/Year				Grade	
				S/Y	Gr	S/Y	GR	S/Y	Gr
SEMESTER 1/1	640-101	Healthy Body and Mind	3						
	215-111	Engineering Drawing I	3						
	322-171	Physical Science Math I (> E)	3						
	324-103	General Chemistry	3						
	332-103	General Physics I (> E)	3						
	332-113	General Physics Laboratory I	1						
	890-100	Preparatory Foundation English	3						
SEMESTER 1/2	200-101	Introduction to Engineering	1						
	220-102	Engineering Mechanics I	3						
	242-101	Intro. to Computer Programming	3						
	322-172	Physical Science Math II (> E)	3						
	325-103	General Chemistry Laboratory	1						
	332-104	General Physics II (> E)	3						
	332-114	General Physics Laboratory II	1						
	315-201	Science, Technology, and Society	3						
	890-101	Foundation English I	3						
SEMESTER 2/1	211-231	Basic Electronic Circuits	3						
	212-202	Basic Electrical Engineering Lab.	1						
	212-211	Electric Circuits	3						
	215-001	Co-Curricul Activities	1						
	215-221	Engineering Mechanics II	3						
	215-222	Mechanics of Materials I	3						
	235-230	Engineering Materials	3						
	322-271	Physical Science Mathematics III	3						
SEMESTER 2/2	212-292	Digital Systems and Logic Design	3						
	215-231	Engineering Thermodynamics I	3						
	215-241	Mechanics of Fluids I	3						
	215-274	Numerical Methods for Mechanical Eng.	3						
	219-212	Computer Aided Drafting	1						
	229-212	Basic Manufacturing Processes	2						
	242-207	Programming Fundamentals I	3						
	890-102	Fundamental English Reading and Writing	3						
SEMESTER 1/3	211-221	Fundamental of Electric Machines	3						
	211-232	Senser and Signal Conditioning	3						
	211-341	Signals and Systems	3						
	215-324	Mechanics of Machinery	3						
	215-343	Fluid Power	3						
	219-301	Mechatronics Eng. Laboratory I	1						
	219-303	Mechtronic Engineering Project Preparatory	1						
	*215-333	Heat Transfer (บังคับเลือกเพิ่ม) (ทว.)	3						
	xxx-xxx	Physical Education (1)	1						

	Sub. No.	Subject	Credits	Semester/Year				Grade	
				S/Y	Gr	S/Y	GR	S/Y	Gr
SEMESTER 2/3	211-331	Industrial Electronics	3						
	212-305	Microprocessor Laboratory	1						
	212-391	Microprocessor Princi. and App.	3						
	215-314	Mechanical Design I	3						
	215-325	Mechanical Vibrations	3						
	215-352	Automatic Control Systems	3						
	219-302	Mechatronic Engineering Lab. II	1						
	895-171	Wisdom of Living	3						
SEM. 3/3	215-305	Practical Training	320 hr.						
SEM. 1/4	211-433	Power Elec. and Electric Drives	3						
	215-002	Geneal Economics	3						
	219-407	Mechatronic Engineering Project I	2						
	227-251	Engineering Statistics I	3						
	xxx-xxx	Professional Elective (1)	3						
	xxx-xxx	Elective Social Sciences (1)	3						
	xxx-xxx	Physical Education (2)	1						
SEM. 2/4	219-408	Mechatronic Engineering Project II	2						
	xxx-xxx	Professional Elective (2)	3						
	xxx-xxx	Free Elective (1)	3						
	xxx-xxx	Free Elective (2)	3						
	xxx-xxx	Elective Social Sciences (2)	3						

FINAL STATUS	[] Retirec	[] Graduated
Cumulative Credits _____ Cum.	Points _____	Cum Index _____
REMARKS		
Note : Total 148 Cradits		