

Doctor of Philosophy (PhD) in Engineering Management

YEAR ONE

Course Code	PhD: First Semester Courses Year 1	Credit
ENGM 901	Technical Communication	5
ENGM 902	Engineering Graphics	5
ENGM 903	Machine Learning	5
ENGM 904	Applied Electricity/Electronics	5
ENGM 905	Statistics and Strength of Material	5
ENGM 906	Material Science	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 1	Credit
ENGM 911	Digital Signal Processing	5
ENGM 912	Engineering Asset Management	5
ENGM 913	Environmental System Engineering	5
ENGM 914	Engineering Theory and Practice	5
ENGM 915	Work Analysis and Design	5
ENGM 916	Year One: PhD Research Thesis	5
TOTAL CREDITS		30

YEAR TWO

Course Code	PhD: First Semester Courses Year 2	Credit
ENGM 921	Engineering Cost Analysis	5
ENGM 922	Systems Decision Making	5
ENGM 923	Operations Planning and Control	5
ENGM 924	Quality Assurance and Control	5
ENGM 925	Human Resource Management	5
ENGM 926	Supervision of Industrial Operations	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 2	Credit
ENGM 1001	Electronic Circuits	5
ENGM 1002	Engineering Thermodynamics	5
ENGM 1003	Plant Layout and Material Handling	5
ENGM 1004	Cultures and Civilizations	5
ENGM 1005	Power Electronics	5
ENGM 1006	Year Two: PhD Research Thesis	5
TOTAL CREDITS		30



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YEAR THREE

Course Code	PhD: First Semester Courses Year 3	Credit
ENGM 1011	Cost Analysis	5
ENGM 1012	Organizational Psychology and Human Resources	5
ENGM 1013	Corporate Finance	5
ENGM 1014	Global Logistics Management	5
ENGM 1015	Renewable Energy	5
ENGM 1016	Industrial Systems Management	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 3	Credit
ENGM 1021	Control and Instrumentation	5
ENGM 1022	Embedded Systems	5
ENGM 1023	Electromagnetic Compatibility	5
ENGM 1024	Dynamics and Control	5
ENGM 1025	Year Three: PhD Research Thesis	10
TOTAL CREDITS		30

Application processing, admissions and registrations for the new Academic Session are currently in progress. Apply for study now, visit: www.iicseuniversity.org