

Doctor of Philosophy (PhD) in Systems Engineering and Management

YEAR ONE

Course Code	PhD: First Semester Courses Year 1	Credit
SYSM 901	Business Process Re-Engineering	5
SYSM 902	Data Communication and Networking	5
SYSM 903	Managerial Economics for Engineers	5
SYSM 904	Design and Analysis Alogarithms	5
SYSM 905	Organizational Change and Intervention Strategies	5
SYSM 906	Industrial Marketing	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 1	Credit
SYSM 911	Financial Marketing	5
SYSM 912	Financial Management for Engineers	5
SYSM 913	Lean Operation	5
SYSM 914	Total Quality Management	5
SYSM 915	Computer Systems Architecture	5
SYSM 916	Year One: PhD Research Thesis	5
TOTAL CREDITS		30

YEAR TWO

Course Code	PhD: First Semester Courses Year 2	Credit
SYSM 921	Cloud Computing	5
SYSM 922	Engineering Mathematics	5
SYSM 923	Java Technologies	5
SYSM 924	Analysis and Design of Algorithms	5
SYSM 925	Database Management System	5
SYSM 926	Object Oriented Programming	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 2	Credit
SYSM 1001	Cyber Law	5
SYSM 1002	Microprocessors	5
SYSM 1003	Operating System	5
SYSM 1004	Software Engineering	5
SYSM 1005	Computer Networks	5
SYSM 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
SYSM 1011	Programming Languages	5
SYSM 1012	Discrete Structures	5
SYSM 1013	Computational Logic	5
SYSM 1014	Embedded Systems	5
SYSM 1015	Distributed Computing	5
SYSM 1016	Computer Graphics	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 3	Credit
SYSM 1021	Artificial Intelligence	5
SYSM 1022	Modeling and Simulation	5
SYSM 1023	Compiler Design	5
SYSM 1024	Multimedia System Design	5
SYSM 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