



UNIVERSITY OF PERNAMBUCO

Course: COMPUTER ENGINEERING - POLI

Curricular Profile Report

SEMESTER: 1º					
CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
MATM0018- DIFFERENTIAL AND INTEGRAL CALCULUS 1	MANDATORY	60	0	60	4.0
MATM0007- ANALYTIC GEOMETRY	MANDATORY	60	0	60	4.0
ENGE0002- INTRODUCTION TO ENGINEERING	MANDATORY	30	0	30	2.0
CCMP0066- IMPERATIVE PROGRAMMING LANGUAGE	MANDATORY	60	0	60	4.0
CCMP0067- LOGIC	MANDATORY	60	0	60	4.0
QUIM0002- GENERAL CHEMISTRY	MANDATORY	45	30	75	5.0
SOCL0002- SOCIOLOGY AND ENVIRONMENT	MANDATORY	30	0	30	2.0
SEMESTER: 2º					
CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
MATM0001- LINEAR ALGEBRA	MANDATORY	60	0	60	4.0
CCMP0097- MATERIALS SCIENCE	MANDATORY	30	0	30	2.0
MATM0019- DIFFERENTIAL AND INTEGRAL CALCULUS 2	MANDATORY	60	0	60	4.0
ECON0001- ECONOMIC ENGINEERING	MANDATORY	30	0	30	2.0
LETR0001- EXPRESSION IN PORTUGUESE LANGUAGE	MANDATORY	30	0	30	2.0
ARTE0001- GRAPHIC EXPRESSION 1	MANDATORY	30	45	75	5.0
FISC0011- PHYSICS 1	MANDATORY	60	0	60	4.0
CCMP0068 - ORIENTED TO OBJECTS PROGRAMMING LANGUAGE	MANDATORY	60	0	60	4.0
SEMESTER: 3º					
CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
CCMP0001- ALGEBRA APPLIED TO COMPUTING	MANDATORY	60	0	60	4.0
MATM0020- DIFFERENTIAL AND INTEGRAL CALCULUS 3	MANDATORY	60	0	60	4.0
CCMP0096- NUMERICAL CALCULATION	MANDATORY	60	0	60	4.0
FISC0016- APPLIED ELECTRICITY	MANDATORY	30	0	30	2.0
CCMP0069- DATA STRUCTURE	MANDATORY	60	0	60	4.0
FISC0012- PHYSICS 2	MANDATORY	60	0	60	4.0
FISC0007- MECHANICS 1	MANDATORY	60	0	60	4.0
SEMESTER: 4º					
CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
ELET0013- ELECTRICAL CIRCUITS 1	MANDATORY	60	0	60	4.0
MATM0021- DIFFERENTIAL AND INTEGRAL CALCULUS 4	MANDATORY	60	0	60	4.0
FISC0019- TRANSPORT PHENOMENA	MANDATORY	30	0	30	2.0
FISC0013- PHYSICS 3	MANDATORY	60	0	60	4.0
CCMP0070- FUNCTIONAL PROGRAMMING LANGUAGE	MANDATORY	60	0	60	4.0
PRBE0005- PROBABILITY AND STATISTICS	MANDATORY	60	0	60	4.0
CCMP0071- SIGNALS AND SYSTEMS	MANDATORY	60	0	60	4.0
SEMESTER: 5º					
CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
CCMP0072- COMBINATIONAL DIGITAL CIRCUITS	MANDATORY	60	0	60	4.0
ELET0030- ELECTROMAGNETISM 1	MANDATORY	45	15	60	4.0
CCMP0073- ELECTRONICS FOR COMPUTING	MANDATORY	45	15	60	3.5
CCMP0010- SOFTWARE ENGINEERING	MANDATORY	45	15	60	4.0
LETR0009- SCIENTIFIC METHODOLOGY	MANDATORY	30	0	30	2.0
ELET0070- COMPUTER NETWORKS 1	MANDATORY	45	15	60	4.0
CCMP0039- THEORY OF COMPUTATION	MANDATORY	60	0	60	4.0
LETR0008- INSTRUMENTAL ENGLISH	MANDATORY	30	0	30	2.0
CIEN0002- SCIENTIFIC INITIATION 1	ELECTIVE	30	30	60	4.0
SEMESTER: 6º					
CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
CCMP0074- ANALYSIS AND DESIGN OF SOFTWARES	MANDATORY	45	15	60	3.5
CCMP0005- DATABASE	MANDATORY	60	0	60	4.0
CCMP0075- SEQUENTIAL DIGITAL CIRCUITS	MANDATORY	45	15	60	3.5
ELET0025- ELECTROMECHANICAL ENERGY CONVERSION	MANDATORY	45	15	60	4.0
ELET0071- COMPUTER NETWORKS 2	MANDATORY	45	15	60	4.0
CCMP0076- COMMUNICATION SYSTEMS	MANDATORY	60	0	60	4.0
CIEN0003- SCIENTIFIC INITIATION 2	ELECTIVE	30	30	60	4.0

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SEMESTER: 7º

CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
ADMT0001- ADMINISTRATION	MANDATORY	30	0	30	2.0
CCMP0006- COMPILERS	MANDATORY	45	15	60	4.0
CCMP0011- SUPERVISED INTERNSHIP	MANDATORY	45	135	180	12.0
CCMP0015- ARTIFICIAL INTELLIGENCE	MANDATORY	45	15	60	4.0
CCMP0023- FORMAL METHODS	MANDATORY	60	0	60	4.0
CCMP0025- COMPUTER ORGANIZATION	MANDATORY	45	15	60	4.0
ELET0079 OPERATIONAL SYSTEMS	MANDATORY	45	15	60	4.0

SEMESTER: 8º

CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
CCMP0003- COMPUTER ARCHITECTURE	MANDATORY	45	15	60	4.0
ELET0024- PROCESS CONTROL	MANDATORY	30	30	60	4.0
DIRT0001- LAW FOR ENGINEERS	MANDATORY	30	0	30	2.0
CCMP0082- NATURAL COMPUTING	ELECTIVE	60	0	60	4.0
CCMP0007- COMPUTER GRAPHICS	ELECTIVE	45	15	60	4.0
CCMP0008- COMPETITION	ELECTIVE	60	0	60	4.0
ADMT0002- ENTREPRENEUR FORMATION	ELECTIVE	60	0	60	4.0
CCMP0079- HUMAN-COMPUTER INTERFACE	ELECTIVE	60	0	60	4.0
CCMP0078- DATA MINING	ELECTIVE	60	0	60	4.0
CCMP0081- ANALYTIC MODELING	ELECTIVE	60	0	60	4.0
CCMP0026- DIGITAL SIGNAL PROCESSING	ELECTIVE	45	15	60	4.0
CCMP0028- DATABASE PROJECT	ELECTIVE	15	45	60	4.0
CCMP0029- DESIGN OF COMPILERS	ELECTIVE	15	45	60	4.0
CCMP0036- INFORMATION SYSTEMS	ELECTIVE	45	15	60	4.0
ELET0105- INFORMATION THEORY	ELECTIVE	60	0	60	4.0
CCMP0080- OPTIMIZATION TECHNIQUES	ELECTIVE	60	0	60	4.0

SEMESTER: 9º

CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
CCMP0030- THE FINAL COURSE PROJECT	MANDATORY	60	0	60	4.0
CCMP0002- ADVANCED COMPUTER ARCHITECTURE	ELECTIVE	45	15	60	4.0
ELET0018- DIGITAL COMMUNICATION	ELECTIVE	60	0	60	4.0
CCMP0083- EXPERIMENTAL SOFTWARE ENGINEERING	ELECTIVE	30	30	60	4.0
CCMP0012- PROJECT MANAGEMENT	ELECTIVE	45	15	60	4.0
CCMP0013- MANAGEMENT OF COMPUTER NETWORKS	ELECTIVE	45	15	60	4.0
CCMP0024- MODELING AND SIMULATION	ELECTIVE	45	15	60	4.0
CCMP0031- PROJECT OF OPERATIONAL SYSTEMS	ELECTIVE	15	45	60	4.0
ELET0068- PROTOTYPING OF INTEGRATED CIRCUITS	ELECTIVE	45	15	60	4.0
CCMP0086- VIRTUAL REALITY	ELECTIVE	60	0	60	4.0
CCMP0087- ARTIFICIAL NEURAL NETWORKS	ELECTIVE	60	0	60	4.0
CCMP0034- SEMANTICS OF PROGRAMMING LANGUAGES	ELECTIVE	60	0	60	4.0
CCMP0037- DISTRIBUTED SYSTEMS	ELECTIVE	60	0	60	4.0

SEMESTER: 10º

CURRICULAR COMPONENTS	TYPE	Theoric (hrs)	Practical(hrs)	TOTAL	CREDITS
CCMP0077- MANAGEMENT OF INFORMATION AND COMMUNICATION SYSTEM	ELECTIVE	30	0	30	2.0
CCMP0088- SOFTWARE DEVELOPMENT ENVIRONMENT	ELECTIVE	30	30	60	4.0
CCMP0089- APPLICATION IN SOFTWARE ENGINEERING	ELECTIVE	30	30	60	4.0
ELET0009- INDUSTRIAL AUTOMATION	ELECTIVE	45	15	60	4.0
CCMP0004- PERFORMANCE EVALUATION	ELECTIVE	45	15	60	4.0
ELET0107- NETWORK AND TELECOMMUNICATIONS LABORATORY	ELECTIVE	0	60	60	4.0
ELET0056- MICROCONTROLLERS	ELECTIVE	45	15	60	4.0
CCMP0091- INFORMATION SECURITY	ELECTIVE	60	0	60	4.0
CCMP0092- MULTIAGENT SYSTEMS	ELECTIVE	60	0	60	4.0
CCMP0098- TOLERANCE AND FAILURES	ELECTIVE	60	0	60	4.0
CCMP0101- SPECIAL TOPICS1	ELECTIVE	60	0	60	4.0
CCMP0102- SPECIAL TOPICS 2	ELECTIVE	60	0	60	4.0
CCMP0093- COMPUTER VISION	ELECTIVE	60	0	60	4.0

