

UNIVERSITY OF PERNAMBUCO

DATE: 27/10/2014

Course: ELECTRICAL ENGINEERING - ELECTRONIC- CAMPUS UPE BENFICA - POLI



SEMESTER: 1º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (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
CCMP0094- INTRODUCTION TO PROGRAMMING	MANDATORY	30	30	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	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MATM0001- LINEAR ALGEBRA	MANDATORY	60	0	60	4.0
MATM0019- DIFFERENTIAL AND INTEGRAL CALCULUS 2	MANDATORY	60	0	60	4.0
ECON0001- ENGINEERING ECONOMIC ANALYSIS	MANDATORY	30	0	30	2.0
LETR0001- PORTUGUESE LANGUAGE	MANDATORY	30	0	30	2.0
ARTE0001- GRAPHIC EXPRESSION	MANDATORY	30	45	75	5.0
FISC0011- PHYSICS 1	MANDATORY	60	0	60	4.0

SEMESTER: 3º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
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
FISC0012- PHYSICS 2	MANDATORY	60	0	60	4.0
FISC0007- MECHANICS	MANDATORY	60	0	60	4.0
PRBE0005- PROBABILITY AND STATISTICS	MANDATORY	60	0	60	4.0

SEMESTER: 4º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
ELET0013- ELECTRICAL CIRCUITS 1	MANDATORY	60	0	60	4.0
MATM0006- COMPLEX VARIABLES	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
FISC0014- EXPERIMENTAL PHYSICS	MANDATORY	0	30	30	2.0
FISC0020- THEORY OF SEMICONDUCTOR DEVICES	MANDATORY	60	0	60	4.0

SEMESTER: 5º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
ELET0014- ELECTRICAL CIRCUITS 2	MANDATORY	60	0	60	4.0
DIRT0001- LAW FOR ENGINEERS	MANDATORY	30	0	30	2.0
ELET0030- ELECTROMAGNETISM 1	MANDATORY	45	15	60	4.0
ELET0033- ELECTRONICS 1	MANDATORY	30	30	60	4.0
ELET0037- DIGITAL ELECTRONICS	MANDATORY	60	0	60	4.0
ENGE0001- SAFETY ENGINEERING	MANDATORY	45	0	45	3.0
ELET0108 – ELECTRICAL INSTALATIONS	MANDATORY	60	0	60	4.0
ELET0047- LABORATORY OF ELECTRONICS 1	MANDATORY	0	30	30	2.0

SEMESTER: 6º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
ELET0031- ELECTROMAGNETISM 2	MANDATORY	45	15	60	4.0
ELET0034- ELECTRONICS 2	MANDATORY	60	0	60	4.0
ELET0035- ANALOG ELECTRONICS	MANDATORY	45	15	60	4.0
ELET0048- LABORATORY OF ELECTRONICS 2	MANDATORY	0	30	30	2.0
ELET0110- LABORATORY OD DIGITAL SYSTEMS	MANDATORY	0	30	30	2.0
CCMP0071- SIGNALS AND SYSTEMS	MANDATORY	60	0	60	4.0
ELET0075- CONTROL SYSTEMS ENGINEERING 1	MANDATORY	60	0	60	4.0
ELET0078- DIGITAL SYSTEMS	MANDATORY	30	30	60	4.0



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SEMESTER: 7º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
ELET0025- ELECTROMECHANICAL ENERGY CONVERSION	MANDATORY	45	15	60	4.0
ELET0114- INDUSTRIAL ELECTRONICS	MANDATORY	60	0	60	4.0
ELET0056- MICROCONTROLLERS	MANDATORY	45	15	60	4.0
ELET0058- MICROPROCESSORS	MANDATORY	30	30	60	4.0
ELET0113- PRINCIPLES OF COMMUNICATION	MANDATORY	60	0	60	4.0
ELET0104- STOCHASTICS PROCESSES	MANDATORY	30	30	60	4.0
ELET0076- CONTROL SYSTEMS ENGINEERING 2	MANDATORY	60	0	60	4.0

SEMESTER: 8º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
ADMT0001-ADMINISTRATION	MANDATORY	30	0	30	2.0
ELET0036- POWER ELETRONICS	MANDATORY	60	0	60	4.0
ELET0046- INSTRUMENTATION	MANDATORY	60	0	60	4.0
LETR0009- SCIENTIFIC METHOD	MANDATORY	30	0	30	2.0
ELET0112- COMPUTER ORGANIZATION AND ARCHITECTURE	MANDATORY	60	0	60	4.0
ELET0102- DIGITAL SIGNAL PROCESSING	MANDATORY	60	0	60	4.0
ELET0111- PHOTOTYPING OF DIGITAL SYSTEMS	MANDATORY	60	0	60	4.0
ELET0070- COMPUTER NETWORKS 1	MANDATORY	45	15	60	4.0

SEMESTER: 9º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
ELET0002- MAINTENANCE MANAGEMENT	MANDATORY	45	15	60	4.0
ELET0024- PROCESS CONTROL	MANDATORY	30	30	60	4.0
ELET0041- CURRICULAR INTERNSHIP	MANDATORY	45	135	180	12.0
ELET0063- FINAL COURSE PROJECT	MANDATORY	60	0	60	4.0

SEMESTER: 10º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
LETR0007- ACESSIBILITY AND THE BRAZILIAN SIGN LANGUAGE	ELECTIVE	45	0	45	3.0
ELET0001- ELECTRICAL MACHINES AND DRIVES	ELECTIVE	45	15	60	4.0
ELET0006- ANTENNAS	ELECTIVE	45	15	60	4.0
ELET0016- ENERGY WAST CONTROL	ELECTIVE	60	0	60	4.0
ELET0115- ELECTROMAGNETIC COMPATIBILITY	ELECTIVE	60	0	60	4.0
ELET0018- DIGITAL COMMUNICATION	ELECTIVE	60	0	60	4.0
ELET0021- MOBILE COMMUNICATION	ELECTIVE	60	0	60	4.0
ELET0022- OPTICAL COMMUNICATION	ELECTIVE	60	0	60	4.0
ELET0116- PROGRAMMABLE LOGIC CONTROLLERS	ELECTIVE	60	0	60	4.0
ELET0106- CRYPTOGRAPHY	ELECTIVE	60	0	60	4.0
ELET0028- OPTOELECTRONIC DEVICES	ELECTIVE	45	15	60	4.0
MECN0013- INTRODUCTION TO ROBOTICS	ELECTIVE	60	0	60	4.0
ELET0117- ANALOG AND DIGITAL FILTERS	ELECTIVE	60	0	60	4.0
ELET0043- ALTERNATIVE ENERGY SOURCES	ELECTIVE	60	0	60	4.0
ADMT0002- ENTREPRENEURSHIP	ELECTIVE	60	0	60	4.0
MECN0025- INDUSTRIAL NETWORKS AND SUPERVISORY CONTROL	ELECTIVE	60	0	60	4.0
ELET0095- ARTIFICIAL INTELLIGENCE	ELECTIVE	60	0	60	4.0
ELET0051- ELECTRICAL MACHINES	ELECTIVE	45	15	60	4.0
ELET0057- MICROWAVE ENGINEERING	ELECTIVE	45	15	60	4.0
ELET0119- MODELING AND ANALYSIS OF SYSTEMS	ELECTIVE	60	0	60	4.0
ELET0093- PRINCIPLES OF BIOMEDICAL INSTRUMENTS	ELECTIVE	60	0	60	4.0
CCMP0026- DIGITAL IMAGE PROCESSING	ELECTIVE	45	15	60	4.0
ELET0118- PROJECTS WITH MICROCONTROLLERS	ELECTIVE	60	0	60	4.0
ELET0071- COMPUTER NETWORKS 2	ELECTIVE	45	15	60	4.0
ELET0084- ANALOG AND DIGITAL TELEVISION	ELECTIVE	60	0	60	4.0

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