

UNIVERSITY OF PERNAMBUCO



COURSE: Industrial – Mechanical Engineering CAMPUS UPE BENFICA - POLI

DATE 27/10/2014

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
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

SEMESTER: 3º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MECN0004- SCIENCE OF MATERIALS	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
FISC0009- ELECTRICITY APPLIED	MANDATORY	0	30	30	2.0
ELET0109- BASIC ELECTRICITY	MANDATORY	45	0	45	3.0
FISC0012- PHYSICS 2	MANDATORY	60	0	60	4.0
FISC0007- MECHANICS 1	MANDATORY	60	0	60	4.0

SEMESTER: 4º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MATM0021- DIFFERENTIAL AND INTEGRAL CALCULUS 4	MANDATORY	60	0	60	4.0
FISC0013- PHYSICS 3	MANDATORY	60	0	60	4.0
FISC0018- EXPERIMENTAL PHYSICS	MANDATORY	0	30	30	2.0
MECN0039- MECHANICAL CONSTRUCTION MATERIALS	MANDATORY	60	0	60	4.0
FISC0008- MECHANICS 2	MANDATORY	60	0	60	4.0
FISC0017- FLUIDS MECHANICS	MANDATORY	60	0	60	4.0
PRBE0002- BASIC PROBABILITY AND STATISTICS	MANDATORY	60	0	60	4.0

SEMESTER: 5º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MECN0086- BASIC TECHNICAL DRAWING	MANDATORY	15	45	60	4.0
ENGE0001- SAFETY ENGINEERING	MANDATORY	45	0	45	3.0
MECN0034- HYDRAULIC MACHINES	MANDATORY	60	0	60	4.0
MECN0085- APPLIED MECHANICS	MANDATORY	60	0	60	4.0
MECN0045- METROLOGY	MANDATORY	30	30	60	4.0
MECN0054- RESISTENCE OF MATERIALS 1	MANDATORY	60	0	60	4.0
MECN0059- THERMODYNAMICS 1	MANDATORY	60	0	60	4.0

SEMESTER: 6º					
CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MECN0087- MECHANICAL TECHNICAL DESIGN	MANDATORY	15	75	90	6.0
MECN0015- MECHANICAL TESTS	MANDATORY	60	0	60	4.0
ELET0045- INDUSTRIAL ELECTRICAL INSTALLATION	MANDATORY	45	15	60	4.0
MECN0093- MECHANISMS	MANDATORY	45	0	45	3.0
MECN0055- RESISTANCE OF MATERIALS 2	MANDATORY	60	0	60	4.0
MECN0060- THERMODYNAMICS 2	MANDATORY	60	0	60	4.0
MECN0091- HEAT TRANSMISSION	MANDATORY	60	0	60	4.0

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SEMESTER: 7º

CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MECN0088- MECHANICAL TECHNICAL DRAWING IN COMPUTER	MANDATORY	0	45	45	3.0
MECN0011- MACHINE ELEMENTS 1	MANDATORY	60	0	60	4.0
MECN0019- SUPERVISED PRACTICE	MANDATORY	45	135	180	12.0
MECN0089- INDUSTRIAL INSTRUMENTATION	MANDATORY	15	15	30	2.0
MECN0056- HYDRAULIC AND PNEUMATIC SYSTEMS	MANDATORY	30	30	60	4.0
MECN0090- WELDING	MANDATORY	30	30	60	4.0
MECN0082- MECHANICAL VIBRATIONS	MANDATORY	60	0	60	4.0

SEMESTER: 8º

CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MECN0012- MACHINE ELEMENTS 2	MANDATORY	60	0	60	4.0
MECN0026- INDUSTRIAL INSTALLATIONS	MANDATORY	60	0	60	4.0
MECN0036- THERMAL MACHINES1	MANDATORY	30	30	60	4.0
MECN0049- FORMING PROCESSES	MANDATORY	60	0	60	4.0
MECN0050- MACHINING PROCESSES	MANDATORY	60	0	60	4.0
MECN0047- PRACTICE OF REPAIR SHOP	MANDATORY	0	60	60	4.0

SEMESTER: 9º

CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
DIRT0001- LAW FOR ENGINEERS	MANDATORY	30	0	30	2.0
MECN0092- BUSINESS ECONOMY	MANDATORY	60	60	120	8.0
MECN0023- QUALITY MANAGEMENT	MANDATORY	45	0	45	3.0
MECN0037- THERMAL MACHINES12	MANDATORY	30	0	30	2.0
MECN0066- COOLING	MANDATORY	60	0	60	4.0

SEMESTER: 10º

CURRICULAR COMPONENTS	TYPE	Theory(hours)	Practice (hrs)	TOTAL	CREDITS
MECN0001- INDUSTRIAL MANAGEMENT	MANDATORY	60	0	60	4.0
MECN0033- LIFTING AND TRANSPORT MACHINERY	MANDATORY	60	0	60	4.0
MECN0052- FINAL COURSE PROJECT	MANDATORY	60	0	60	4.0
ELET0002- MAINTENANCE MANAGEMENT	ELECTIVE	45	15	60	4.0
MECN0020- STEEL STRUCTURES	ELECTIVE	60	0	60	4.0
ELET0043- ALTERNATIVE ENERGY SOURCES	ELECTIVE	60	0	60	4.0
ADMT0002- ENTREPRENEURS FORMATION	ELECTIVE	60	0	60	4.0
FISC0021- NUCLEAR PHYSICS	ELECTIVE	60	0	60	4.0
MECN0022- STEAM GENERATORS	ELECTIVE	60	0	60	4.0
ADMT0090- LOGISTICS	ELECTIVE	60	0	60	4.0
MECN0042- MECHANICAL PRECISION	ELECTIVE	60	0	60	4.0
ELET0104- STOCHASTIC PROCESSES	ELECTIVE	30	30	60	4.0
MECN0069- GAS TURBINE	ELECTIVE	60	0	60	4.0