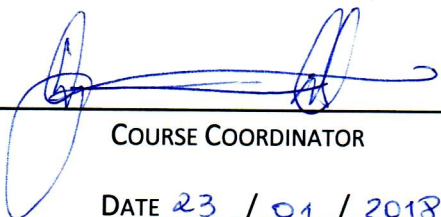



CURRICULAR STRUCTURE

FORM Nº 19 – COURSE SYLLABUS/ACTIVITY		
CONTENT OF STUDIES		
ELECTRICITY		
SUBJECT NAME/ACTIVITY Introduction to Electrical Circuits	CODE TEE02065	CONCEPTION () ALTERATION: NAME () CL () TRANSLATION: (X)
DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT		
COURSE LOAD: 30 HOURS	THEORETICAL: 30 HOURS	PRACTICAL: 0 HOURS INTERNSHIP: 0 HOURS
PROGRAM CONTENT		
LINEAR SYSTEMS WITH INVARIABLE TIME; CURRENT, VOLTAGE, POWER AND ENERGY; CAPACITOR, INDUCTOR AND RESISTOR; SERIES AND PARALLEL ASSOCIATIONS; CONTROLLED SOURCES OF VOLTAGE AND CURRENT AND INDEPENDENTS SOURCES; KIRCHHOFF LAWS; EQUIVALENT CIRCUITS; VOLTAGE AND CURRENT DIVISION RULES; SUPERPOSITION THEOREM, THEVENIN AND NORTON. MESH AND NODES EQUATIONS. DUAL CIRCUITS.		
BASIC BIBLIOGRAPHY:		
<ol style="list-style-type: none"> O'MALLEY HILL, "ANÁLISE DE CIRCUITOS", EDITORA MAKRON. DAVID E. JOHNSON, JOHN L. HILBURN, JOHNNY R. JOHNSON, "FUNDAMENTOS DE ANÁLISE DE CIRCUITOS ELÉTRICOS", EDITORA LTC. CHARLES K. ALEXANDER, MATTHEW O. SADIKU, "FUNDAMENTOS DE CIRCUITOS ELÉTRICOS", EDITORA BOOKMAN. K. OGATA, "ENGENHARIA DE CONTROLE MODERNO", EDITORA PRENTICE HALL DO BRASIL. CHARLES M. CLOSE, CIRCUITOS ELÉTRICOS, VOLUMES 1 E 2, EDITORA LTC. 		
COMPLEMENTARY BIBLIOGRAPHY:		
<ol style="list-style-type: none"> CARLOS PERES QUEVEDO, "CIRCUITOS ELÉTRICOS E ELETRÔNICOS", EDITORA LTC. RICHARD C. DORF, JAMES A. SYOBODA, "INTRODUÇÃO AOS CIRCUITOS ELÉTRICOS", EDITORA LTC. ROBERT BOYLESTAD, "INTRODUÇÃO À ANÁLISE DE CIRCUITOS", EDITORA PRENTICE HALL. 		



COURSE COORDINATOR
DATE 23 / 01 / 2018



HEAD OF ELECTRICAL ENGINEERING DEPARTMENT
DATE 23 / 01 / 2018

November/2017
Daniel Henrique N. Dias
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