



**CURRICULAR STRUCTURE**

FORM Nº 19 – **COURSE SYLLABUS/ACTIVITY**

**CONTENT OF STUDIES**

**ELECTRICAL MACHINES**

SUBJECT NAME/ACTIVITY	CODE	CONCEPTION ( ) ALTERATION: NAME ( ) CL ( ) TRANSLATION: (X)
DC Machines and Single-Phase And Two-Phase Motors	TEE00125	

DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT

COURSE LOAD: 60 HOURS      THEORETICAL: 60 HOURS      PRACTICAL: 0 HOURS      INTERNSHIP: 0 HOURS

**PROGRAM CONTENT**

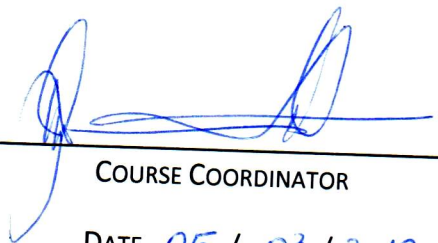
INTRODUCTION TO ROTATING MACHINES; DC MACHINES; SINGLE PHASE AND BIPHASIC MOTORS.

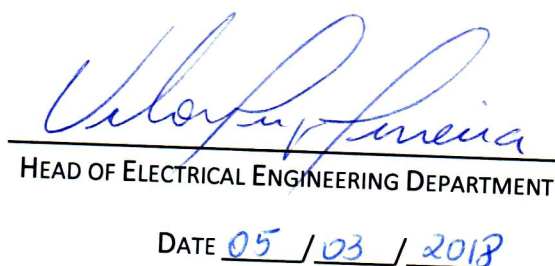
**BASIC BIBLIOGRAPHY:**

1. FITZGERALD, A.E., KINGSLEY JR. C. E UMANS, S.D., 2006. MÁQUINAS ELÉTRICAS: COM INTRODUÇÃO À ELETRÔNICA DE POTÊNCIA. 6ª EDIÇÃO, BOOKMAN;
2. BIM, E., 2009. MÁQUINAS ELÉTRICAS E ACIONAMENTO. 2ª EDIÇÃO, EDITORA ELSEVIER;
3. CHAPMAN, S., 2010. ELECTRIC MACHINERY FUNDAMENTALS. 5TH ED., MCGRAW-HILL;
4. SEN, P.C., 1997. PRINCIPLE OF ELECTRIC MACHINES AND POWER ELECTRONICS. 2ND ED., JOHN WILEY & SONS;
5. GURU, B.S., HIZIROGLU, H.R., 2001. ELECTRIC MACHINERY AND TRANSFORMERS. 3RD ED. OXFORD UNIVERSITY PRESS.

**COMPLEMENTARY BIBLIOGRAPHY:**

1. MARTIGNONI, A., 2007. MAQUINAS ELÉTRICAS DE CORRENTE CONTÍNUA. 1ª EDIÇÃO, EDITORA GLOBO;
2. SLEMON, G.R., 1966. MAGNETOELECTRIC DEVICES: TRANSDUCERS, TRANSFORMERS, AND MACHINES. 1ST ED., JOHN WILEY & SONS;
3. KOSOW, I., 1986. MÁQUINAS ELÉTRICAS E TRANSFORMADORES. EDITORA GLOBO.

  
COURSE COORDINATOR  
DATE 05 / 03 / 2018

  
HEAD OF ELECTRICAL ENGINEERING DEPARTMENT  
DATE 05 / 03 / 2018

November/2017  
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