

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

CONTENT OF STUDIES

ELECTRICAL MACHINERY

SUBJECT NAME/ACTIVITY
Three-Phase Electrical Machinery

CODE
TEE00124

CONCEPTION ()
ALTERATION: NAME () CL ()
TRANSLATION: (X)

DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT

COURSE LOAD: 60 HOURS

THEORETICAL: 60 HOURS

PRACTICAL: 0 HOURS

INTERNSHIP: 0 HOURS

PROGRAM CONTENT

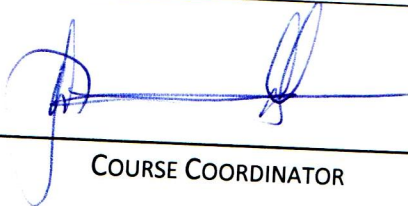
THREE-PHASE INDUCTION MOTORS; INDUCTION GENERATOR; SYNCHRONOUS GENERATORS AND MOTORS; THEORY OF SALIENT POLE.

BASIC BIBLIOGRAPHY:

1. S. CHAPMAN, "ELECTRIC MACHINERY FUNDAMENTALS", MCGRAW-HILL, 2004;
2. A. E. FITZGERALD, C. KINGSLEY JR., S. D. UMANS, "ELECTRIC MACHINERY", MCGRAW-HILL, 2003;
3. P. C. SEN, "PRINCIPLES OF ELECTRIC MACHINES AND POWER ELECTRONICS", WILEY, 1997;
4. A. MARTIGNONI, "MÁQUINAS DE CORRENTE ALTERNADA", GLOBO, 1987;
5. CYRIL G. VEINOTT, "FRACTIONAL AND SUBFRACTIONAL HORSE-POWER ELECTRIC MOTORS", MCGRAW-HILL, 1970.

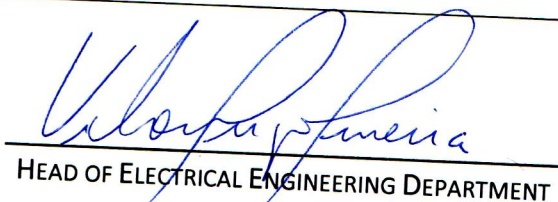
COMPLEMENTARY BIBLIOGRAPHY:

1. S. A. NASAR, "ELECTRIC MACHINES AND ELECTROMECHANICS", MCGRAW-HILL, 1998;
2. V. DEL TORO, O. A. MARTINS, "BASIC ELECTRIC MACHINES", PRENTICE-HALL, 1990;
3. I. L. KOSOW, "MÁQUINAS ELÉTRICAS E TRANSFORMADORES", GLOBO, 2005.


COURSE COORDINATOR

DATE 24 / 01 / 2018

Daniel Henrique N. Dias
Coordenador do Curso de
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Matr. SIAPE 1847851


HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

DATE 23 / 01 / 2018

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