

**CURRICULAR STRUCTURE**

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

**CONTENT OF STUDIES**

**ELECTRICAL ENERGY SYSTEM**

**SUBJECT NAME/ACTIVITY**  
Electrical Circuits II

**CODE**  
TEE06002

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

DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT

COURSE LOAD: 90 HOURS      THEORETICAL: 90 HOURS      PRACTICAL: 0 HOURS      INTERNSHIP: 0 HOURS

**PROGRAM CONTENT**

CIRCUIT'S SOLUTIONS. MESH AND NODAL METHODS; TWO-PORT NETWORK; POLYPHASE SYSTEMS; THREE-PHASE CIRCUITS; PER-UNIT SYSTEM; SYMMETRIC COMPONENTS; SYMMETRICAL AND UNSYMMETRICAL SHORT-CIRCUITS STUDY.

**BASIC BIBLIOGRAPHY:**

1. WILLIAM D. STEVENSON, "ELEMENTOS DE ANÁLISE DE SISTEMAS DE POTÊNCIA", EDITORA MCGRAW-HILL;
2. ERNESTO J. ROBBA, "INTRODUÇÃO A SISTEMAS ELÉTRICOS DE POTÊNCIA", EDGARD BLUCHER;
3. O'MALLEY HILL, "ANÁLISE DE CIRCUITOS", EDITORA MAKRON;
4. OLLE I. ELGERD, "INTRODUÇÃO À TEORIA DE SISTEMAS DE ENERGIA ELÉTRICA", EDITORA MCGRAW-HILL;
5. CHARLES K. ALEXANDER, MATTHEW O. SADIKU, "FUNDAMENTOS DE CIRCUITOS ELÉTRICOS", EDITORA BOOKMAN.

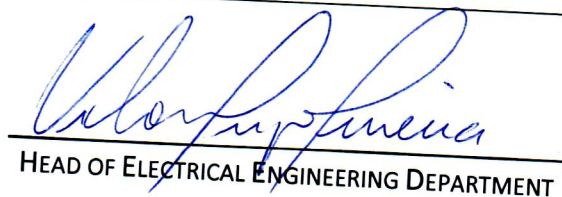
**COMPLEMENTARY BIBLIOGRAPHY:**

1. JAMES W. NILSSON, SUSAN A. RIEDEL, "CIRCUITOS ELÉTRICOS", EDITORA PEARSON;
2. RICHARD C. DORF, JAMES A. SYOBODA, "INTRODUÇÃO AOS CIRCUITOS ELÉTRICOS", EDITORA LTC;
3. DAVID E. JOHNSON, JOHN L. HILBURN, JOHNNY R. JOHNSON, "FUNDAMENTOS DE ANÁLISE DE CIRCUITOS ELÉTRICOS", EDITORA LTC.

  
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COURSE COORDINATOR

DATE 24 / 01 / 2018

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

  
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HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

DATE 23 / 01 / 2018

Prof. Vitor Hugo Ferreira, D.Sc.  
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