



**CURRICULAR STRUCTURE**

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

**CONTENT OF STUDIES**

<b>SUBJECT NAME/ACTIVITY</b> Signals and Systems	<b>CODE</b> TEE00143	<b>CONCEPTION ( )</b> <b>ALTERATION: NAME ( ) CL ( )</b> <b>TRANSLATION: (X)</b>
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DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT

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

**PROGRAM CONTENT**


INTRODUCTION TO SIGNALS AND SYSTEMS IN CONTINUOUS AND DISCRETE TIME. SYSTEMS' RESPONSE IN CONTINUOUS AND DISCRETE TIME. TRANSFER FUNCTIONS IN CONTINUOUS TIME. Z TRANSFORM. TRANSFER FUNCTIONS IN DISCRETE TIME. FOURIER ANALYSIS IN DISCRETE TIME. STATE SPACES IN CONTINUOUS AND DISCRETE TIME.

**BASIC BIBLIOGRAPHY:**

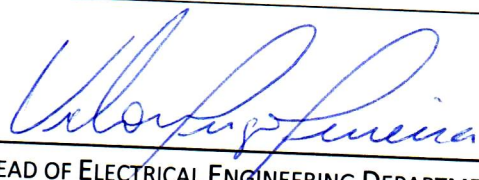
1. A. V. OPPENHEIM, A. S. WILLSKY, I. T. YOUNG, "SIGNALS AND SYSTEMS", PRENTICE-HALL, 2003;
2. S. HAYKIN, B. V. VEEN, "SINAIS E SISTEMAS", ED. BOOKMAN, 2005;
3. H. P. HSU, "SINAIS E SISTEMAS", ED. BOOKMAN, 2004;
4. B. GIROD, R. RABENSTEIN, A. STENGER, "SINAIS E SISTEMAS", LTC, 2003;
5. K. OGATA, "ENGENHARIA DE CONTROLE MODERNO", PEARSON / PRENTICE-HALL, 2003.

**COMPLEMENTARY BIBLIOGRAPHY:**

1. MAHMOOD NAHVI, JOSEPH EDMINISTER, "CIRCUITOS ELÉTRICOS", BOOKMAN, 2005;
2. P. A. SCHMIDT, F. AYRES JR., "MATEMÁTICA PARA ENSINO SUPERIOR", BOOKMAN, 2006;
3. RUEL V. CHURCHILL, "VARIÁVEIS COMPLEXAS E SUAS APLICAÇÕES", MCGRAW-HILL, 1985.

  
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 COURSE COORDINATOR

DATE 05 / 03 / 2018

  
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 HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

DATE 05 / 03 / 2018

November/2017

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