



FORM Nº 19 – COURSE SYLLABUS/ACTIVITY

CONTENT OF STUDIES

ALGORITHMS AND DATA STRUCTURES

SUBJECT NAME/ACTIVITY	CODE	CONCEPTION ( ) ALTERATION: NAME ( ) CL ( ) TRANSLATION: (X)
Programming Languages For Electrical Engineering	TEE00140	

DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT

COURSE LOAD: 60 HOURS      THEORETICAL: 30 HOURS      PRACTICAL: 30 HOURS      INTERNSHIP: 0 HOURS

PROGRAM CONTENT

PROGRAMMING LANGUAGE IN FORTRAN; STRUCTURED PROGRAMMING IN C++; OBJECT ORIENTED PROGRAMMING IN C++; INTRODUCTION TO PROGRAMMING APPLIED FOR SCIENTIFIC AND NUMERICAL CALCULUS.

BASIC BIBLIOGRAPHY:

1. M. E. HEHL, "LINGUAGEM DE PROGRAMAÇÃO ESTRUTURADA FORTRAN", MCGRAW-HILL, 1986;
2. R. GAELZER, "INTRODUÇÃO AO FORTRAN 90/95", UFPEL, 2011;
3. L. BIANCHI, "FORTRAN 77", UNIVERSIDADE REGIONAL DE BLUMENAU;
4. I. HORTON, "BEGINNING C++ : THE COMPLETE LANGUAGE ANSI/ISO COMPLIANT", WROX BEGINNING SERIES;
5. UNIPAN, "LINGUAGEM C/C++", 2004;
6. A. H. FRIGERI, B. COPSTEIN, C. E. PEREIRA, "CURSO DE C++", 2004;
7. A. GILAT, "MATLAB COM APLICAÇÕES EM ENGENHARIA", 2006.

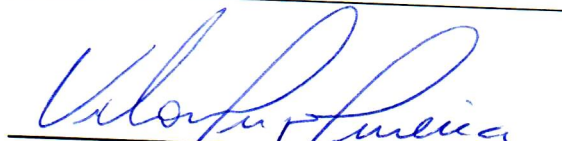
COMPLEMENTARY BIBLIOGRAPHY:

1. C. SANTANA, "APOSTILA DE FORTRAN", UNIVERSIDADE ESTADUAL DO CEARÁ;
2. H. P. CRISTO, "PROGRAMAÇÃO EM LINGUAGEM FORTRAN", UFMG, 2003;
3. H. SCHILDT, "C++: THE COMPLETE REFERENCE", OSBORNE.

  
 COURSE COORDINATOR

DATE 05 / 03 / 2018

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DATE 05 / 03 / 2018

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