

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

CONTENT OF STUDIES

ELECTRICAL ENERGY TRANSMISSION

SUBJECT NAME/ACTIVITY
Electrical Energy Transmission I

CODE
TEE04079

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

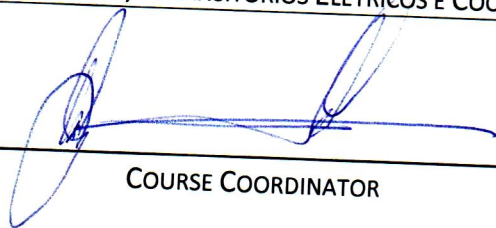
ELECTRICAL PARAMETERS OF POWER LINES; INTERFERENCES PROVOKED BY THE POWER LINES. CALCULATION OF ELECTRICAL PARAMETERS OF LONG AND SHORT POWER LINES. CALCULATION OF NATURAL POWER AND CHARACTERISTICS; GRAPHICAL CALCULATION PROCESSES OF POWER LINES AND CIRCULAR DIAGRAMS; REGULATIONS AND OPERATIONS OF POWER LINES; INTRODUCTION TO TRANSMISSION IN DIRECT CURRENT; INTRODUCTION TO COMPACT POWER LINES.

BASIC BIBLIOGRAPHY:

1. J.J. GRAINGER, W.D. STEVENSON, POWER SYSTEMS ANALYSIS, MC GRAW-HILL, NEW YORK, USA, 1994;
2. A. MONTICELLI, A. GARCIA, INTRODUÇÃO A SISTEMAS DE ENERGIA ELÉTRICA, EDITORA UNICAMP, 1999;
3. P. ANDERSON, ANALYSIS OF FAULTED POWER SYSTEMS, WILEY, 1995;
4. J. DUNCAM GLOVER, M.S. SARMA, POWER SYSTEM ANALYSIS AND DESIGN, THIRD EDITION, BROOKS/COLE, USA, 2002;
5. L. C. ZANETTA JR., "TRANSITÓRIOS ELETROMAGNÉTICOS EM SISTEMAS DE POTÊNCIA", EDUSP, 2003.

COMPLEMENTARY BIBLIOGRAPHY:

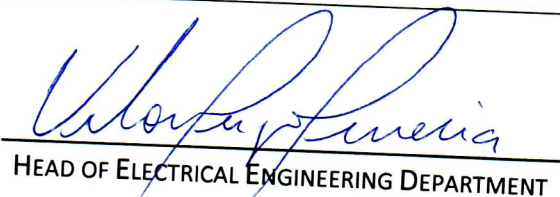
1. R.D. FUCHS, TRANSMISSÃO DE ENERGIA ELÉTRICA, LINHAS AÉREAS, VOL 1 E 2, LTC EDITORA, 1977;
2. A. D'AJUZ, "TRANSITÓRIOS ELÉTRICOS E COORDENAÇÃO DE ISOLAMENTO", EDUFF, 1987.



COURSE COORDINATOR

DATE 24 / 07 / 2018

Daniel Henrique N Dias
Coordenador do Curso de
Graduação em Eng^a Elétrica
Matr SIAPE 1847851



HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

DATE 23 / 07 / 2018

Prof. Vitor Hugo Ferreira, D.Sc.
Chefe do Depto. Eng. Elétrica UFF
Matr. SIAPE 1672218