



UNIVERSIDADE FEDERAL FLUMINENSE
PRÓ-REITORIA DE GRADUAÇÃO
COORDENADORIA DE APOIO AO ENSINO DE GRADUAÇÃO



CURRICULAR STRUCTURE

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

CONTENT OF STUDIES

ELECTRICAL ENERGY SYSTEMS

SUBJECT NAME/ACTIVITY	CODE	CONCEPTION () ALTERATION: NAME () CL () TRANSLATION: (X)
Fault analysis of Electrical Systems	TEE00134	

DEPARTMENT/IMPLEMENTATION COORDINATION: ELECTRICAL ENGINEERING DEPARTMENT

COURSE LOAD: 60 HOURS

THEORETICAL: 60 HOURS

PRACTICAL: 0 HOURS

INTERNSHIP: 0 HOURS

PROGRAM CONTENT

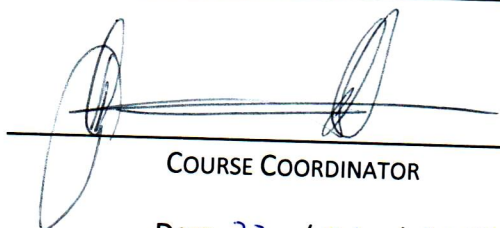
SYMMETRICAL COMPONENTS, REPRESENTATION OF POWER SYSTEMS, ANALYSIS OF SYMMETRICAL AND ASYMMETRICAL FAULTS, MODELLING AND COMPUTATIONAL ANALYSIS OF SHORT-CIRCUITS, CASES STUDIES.

BASIC BIBLIOGRAPHY:

1. E. J. ROBBA, "INTRODUÇÃO A SISTEMAS ELÉTRICOS DE POTÊNCIA: COMPONENTES SIMÉTRICAS", ED. EDGARD BLÜCHER LTDA, 1972;
2. PAUL M. ANDERSON, "ANALYSIS OF FAULTED POWER SYSTEMS", IOWA STATE UNIVERSITY PRESS, 1973;
3. J. J. GRAINGER, W. D. STEVENSON JR., "POWER SYSTEM ANALYSIS", MC-GRAW-HILL, 1994;
4. H. SAADAT, "POWER SYSTEM ANALYSIS", MC-GRAW-HILL, 1999;
5. J. D. GLOVER, M. S. SARMA, "POWER SYSTEM ANALYSIS AND DESIGN", THOMSON LEARNING, 2002.

COMPLEMENTARY BIBLIOGRAPHY:

1. HOMER E. BROWN, "SOLUTION OF LARGE NETWORKS BY MATRIX METHODS", WILEY, 1985, 2ND ED.;
2. G.W. STAGG, A.H. EL-ABIAD, "COMPUTER METHODS IN POWER SYSTEM ANALYSIS", MCGRAW-HILL, 1968;
3. O. I. ELGERD, "INTRODUÇÃO À TEORIA DE SISTEMAS DE ENERGIA ELÉTRICA", MC-GRAW-HILL, 1976.

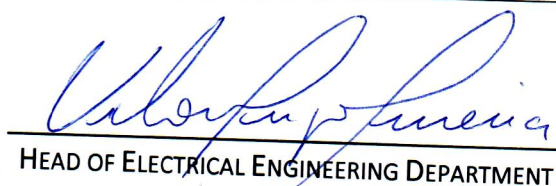


COURSE COORDINATOR

DATE 23 / 01 / 2018

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

November/2017



HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

DATE 23 / 01 / 2018

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