



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

CONTENT OF STUDIES

ECONOMIC MANAGEMENT

SUBJECT NAME/ACTIVITY	CODE	CONCEPTION ()
Economic Analysis of Electrical Energy Systems	TEE00135	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

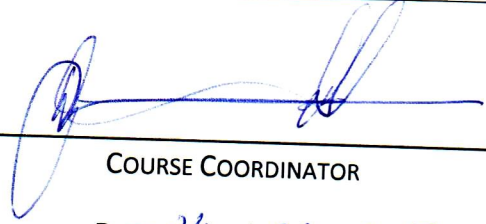
NOTIONS OF FINANCIAL MATHEMATICS; FUNDAMENTALS OF INVESTMENT ANALYSIS; INVESTMENT ANALYSIS OF ELECTRICAL GENERATION SYSTEMS; INVESTMENT ANALYSIS OF ELECTRICAL ENERGY TRANSMISSION SYSTEMS; INVESTMENT ANALYSIS OF ELECTRICAL ENERGY DISTRIBUTION SYSTEMS.

BASIC BIBLIOGRAPHY:

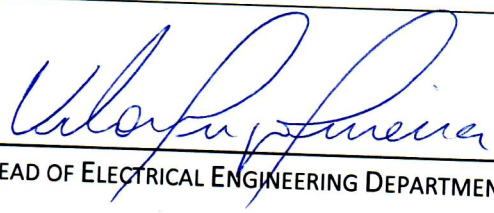
1. BHATTACHARYYA, S.C., 2011. ENERGY ECONOMICS: CONCEPTS, ISSUES, MARKETS AND GOVERNANCE. 1ST EDITION, SPRINGER;
2. IAEA, 1984. EXPANSION PLANNING FOR ELECTRICAL GENERATING SYSTEMS: A GUIDEBOOK. IAEA;
3. KIRSCHEN, D.S., STRBAC, G., 2004. FUNDAMENTALS OF POWER SYSTEM ECONOMICS. 1ST EDITION, JOHN WILEY & SONS;
4. NREL, 2012. COST AND PERFORMANCE DATA FOR POWER GENERATION TECHNOLOGIES. COST REPORT. NATIONAL RENEWABLE ENERGY LABORATORY;
5. CARLOS PATRICIO SAMANEZ, C.P., 2010. MATEMÁTICA FINANCEIRA. 5ª EDIÇÃO, PERSON.

COMPLEMENTARY BIBLIOGRAPHY:

1. SOFT, S., 2002. POWER SYSTEM ECONOMICS: DESIGNING MARKETS FOR ELECTRICITY. 1ST EDITION, JOHN WILEY & SONS;
2. TOLMASQUIM, T., 2011. NOVO MODELO DO SETOR ELÉTRICO BRASILEIRO. 1ª EDIÇÃO, SYNERGIA;
3. GITMAN, L.J., 2006. PRINCÍPIOS DE ADMINISTRAÇÃO FINANCEIRA. 2ª EDIÇÃO, BOOKMAN.


 COURSE COORDINATOR

DATE 24 / 01 / 2018


 HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

DATE 23 / 01 / 2018

November/2017

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