



UNIVERSIDADE FEDERAL DE OURO PRETO
PRÓ-REITORIA DE GRADUAÇÃO
PROGRAMA DE DISCIPLINA



Name of the course in Portuguese: Energia, Sociedade e Meio Ambiente		Code: PRO126
Name of the course in English: Energy, Environment and Society		
Department's name and acronym: Department of Production Engineering		Academic unit: Escola de Minas
Term load 60 hours	Theoretical load per week 4 hours/class	Practical load per week 0 hours/class
Course description: Fundamentals of energy, renewable and non-renewable energies, technical, environmental and social impacts of energy chains, energy and development		
Course content: 1. Fundamentals of energy 2. Oil 3. Natural gas 4. Coal 5. Nuclear energy 6. Hydropower 7. Bioenergy 8. Solar energy 9. Wind energy 10. Energy and development		
Basic bibliography: HINRICHS, Roger; KLEINBACH, Merlin H.; REIS, Lineu belico dos. Energia e meio ambiente. São Paulo: Cengage Learning, 2010. 708 p. GOLDEMBERG, Jose; LUCON, Oswaldo. Energia, meio ambiente & desenvolvimento. 3. ed. rev. ampl. Sao Paulo: Edusp, c2008. 396 p. AUBRECHT, Gordon J. Energy: physical, environmental, and social impact. . 3. ed. United States: Pearson c2006. 674 p. ISBN 0130932221 (broch.).		
Complementary bibliography: REIS, Lineu belico dos; FADIGAS, Eliane A. Amaral; CARVALHO, Claudio Elias. Energia, recursos naturais e a pratica do desenvolvimento sustentavel.. Barueri, SP: Manole, 2005. x, 415 p. JANNUZZI, Gilberto de Martino; SWISHER, Joel N. P. Planejamento integrado de recursos energeticos: meio ambiente, conservaÃ§Ã£o de energia e fontes renovaveis. Campinas: Autores Associados, 1997. 246 p.		