

POSMAT I Programa de Pós-graduação em Engenharia de Materiais



Course: Environmental Management and Social Responsibility

Code: MEM.013

Credits: 03

Module: Specific formation

Research area: Materials Recycling

Contents:

Environmental legislation; Organizational structure of the Federal and State Environment inspection and approval bodies. Genesis of public environmental policy at the international and national levels; National Environment System - SISNAMA and State and Municipal Environment Systems; Environmental impacts resulting from sanitation works / industrial plants; Licensing and environmental inspection: Conceptualization criteria for the elaboration of Environmental Impact Assessment - EIA and Environmental Studies - EIA / RIMA, RCA and PCA; Water Resources Management - National Water Resources Policy. Brown, Green and Blue Agendas in Minas Gerais; Economic instruments and ecological ICMS; APLs in the Mining, Metallic and Non-Metallic Materials Industry, and Environmental Management instruments applying Materials Science. Legislation and main instruments of environmental management and social responsibility; Quality and emission standards; Environmental planning and indicators; ISO 14000 Series and Environmental Management System - SGA and social responsibility.

References:

1. ALMEIDA, J. R.; MELO, C. S. **Gestão Ambiental**, THEX Editora.
2. TAUK-TORNISIELO, S. M.; GOBBI, N.; FOWLER, H. G. **Análise ambiental: uma visão multidisciplinar**. São Paulo: Universidade Estadual Paulista, 1995.
3. BRITO, F. A.; CÂMARA, J. B .O. **Democratização e gestão ambiental: em busca do desenvolvimento sustentável**. 3a edição. Editora Vozes, 1998.
4. CHEHEBE, J. R. **Análise do ciclo de vida de produtos: ferramenta gerencial da ISO 14000**.
5. NBR ISO 14001:2004: **Sistemas de gestão ambiental e demais normas correlatas de gestão e responsabilidade social**.

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6. CUNHA, S. B.; GUERRA, A. J. T. **A questão ambiental: diferentes abordagens.** Rio de Janeiro: Bertrand Brasil, 2003.
7. GUERRA, A. J. T.; CUNHA, S. B. **Impactos ambientais urbanos no Brasil.** Rio de Janeiro: Bertrand Brasil, 2003.