BSE4102 Ethics for Professional Engineers (3CU)

Course objectives; Upon successful completion of this course, the student will: (i) Apply the ethical concepts relevant to resolving moral issues in business, industry, and other relevant areas of concern; and (ii) Articulate and defend with good reasons his/he row ethical point of view pertaining to specific problem areas in business, industry, and related areas.

Course content; this course examines and evaluates the meaning of ethics and professional conduct. A guiding the Meithei human search or quest for values and ethical direction in terms of professional conduct and our daily life relationships with others. Students are expected to articulate and evaluate their own ethical principles and values and their foundations. The first part of this course covers the nature of ethics, ethical development, responsibilities and basic ethical directions such as Aristotelian ethics, utilitarian ethics, Kantian ethics and rights, and various views of justice. The second part of the course covers specific business and engineering ethical issues such as the company’s and engineer’s ethical obligation to the public, employer-employee ethical obligations including such topics as the giving and receiving of gifts, employee theft, trade secrets, computer ethics, fair wages, safety, working conditions, job satisfaction, employee rights with special emphasis

On whistle-blowing, the ethics of political tactics to advance one’s career, and discrimination and affirmative action. Also, emphasis is given to environmental ethics including such topics as pollution control, the conservation of natural resources, various ethical positions on the environment, as well as such topics as biomedical ethics, treatment of animals, and the ethical assessment of new technologies.

Referencs

•Charles B. Fleddermann, Engineering Ethics, 1stedition Prentice Hall 1999. ISBN13: 9780137842247

•Kemper, John D.; Sanders, Billy R., Engineers and Their Profession, Oxford University Press, USAISBN-13: 9780195120578

•Moodley, Krisen, Engineering, Business and Professional Ethics, Elsevier Science &Technology

2007, ISBN-13: 9780750667418

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