ETM 584 - ERGONOMICS IN MANAGEMENT
Spring 2014

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Office hours: Wed: 15-19:00
Course hours : Wednesday: 19:00 - 21:50
Classroom :
Course website : http://moodle.ie.boun.edu.tr/
Moodle enrollment key:

Course Description:
The course provides the professionals and students step by step guidance on the
management principles necessary to successfully implement ergonomics science and
engineering in the real-world business environment. It provides essential information
for the understanding of ergonomics topical areas, which members of management in
any organization could face on a daily basis; developing and managing an effective
ergonomics (safety and health) program in a corporate environment, hazard
prevention and control strategies, decision-making for ergonomic problem solving,
TQM and ergonomics, medical management, financial, moral, social and legal
benefits of an effective ergonomics program.

Topics:
- Foundations of Ergonomics: Anthropometrical, Physiological, Biomechanical,
  Behavioral and Organisational Aspects of Ergonomics
- Principles of Ergonomic Design of Work Environment
- Medical Management of Work-Related Musculoskeletal Disorders
- Management of Work Stress
- Psychosocial Work Factors
- Participatory Ergonomics
- Organizational Design and Macroergonomics
- Elements of the Ergonomics Process
- Ergonomics Program Management Guidelines
- Administrative Controls of Ergonomics Issues
- TQM and Ergonomics
- Financial, moral, social and legal benefits of an effective ergonomics program
- Corporate Health Management
- Ergonomics Programs in Global Corporations

TEXTBOOK:
- Ekşioğlu, M., Ergonomics and Human Factors Engineering Lecture Notes, 2014
  (Required)
- No required textbook but a number of reference books in BU Library
GRADING:
15% Term Project (as a group or individual) + 15% Quiz (based on assigned HW) + 30% Midterm Exam + 30% Final Exam + 10% (Attendance)

Reference Books:
- Ergonomics in Manufacturing, Edited by W. Karwowski and G. Salvendy, Published by the Society of Manufacturing Engineers, Dearborn, MI, 1998.