INTRODUCTION

Research and teaching laboratories in educational institutions deal with activities covering a wide range of subjects. The experiments conducted in laboratories and research projects undertaken involves use of different types of hazardous chemicals and chemicals reactions, use of infectious biological agents, toxic and flammable gases, radioactive isotopes, machineries and equipment, cryogens, high voltage experiments and use of high power lasers to mention a few. Inherent hazards are associated with these activities which can cause serious harm to people involved.

In addition to above exogenous hazards there are many factors related to the physical demand and nature of the work and the workplace itself, which are encountered over a prolonged period of time, and pose a serious ergonomic hazard to the persons concerned. These factors acting slowly over a few weeks to months can give rise to various musculoskeletal disorders (MSDs) in the form of low back pain, neck pain, foot pain and so on. These MSDs may result from repeated overuse or injury to muscles, tendons and ligaments due to faulty body posture and inaccurate technique of performing a movement.

BROAD OBJECTIVES

This short term course is intended to create awareness of the potential hazards and risks involved among students and faculty members of engineering colleges who are involved in laboratory activities. This course further aims to train students and faculty members of engineering colleges to assume healthy and safe work postures and environment, an awareness and knowledge about ergonomic safety to avoid various musculoskeletal disorders.

COURSE CONTENTS


WHO MAY BENEFIT

This course will help students as well as faculty members of engineering colleges to familiarize them with the safe work practices and importance of safe behaviors.

TEACHING FACULTY

The core teaching faculty will from Department of Biosciences and Bioengineering who have been teaching compulsory Biology course for B. Tech. first year students at IIT Bombay as well as other faculty members. Subject experts from other departments at IIT Bombay as well as other institutes will be invited for special lectures/panel-discussion/tutorials.

VENUE FOR CLASSES

Course will be held at Seminar Hall, Van Vihar Guest House, IIT Bombay.

LECTURE NOTES

Hard copies of the lecture notes/slides will be made available to participants at the end of lecture/presentation.

COURSE EVALUATION:

Successful participants would be awarded `Certificate of Participation’ at the end of the course.

ACCOMMODATION

Accommodation on twin sharing basis is available in the student hostels for student participants and in the Institute Guest house for other participants on advance payment basis subject to availability.

IMPORTANT DATES

Last date for receipt of registration form: May 25, 2017
Notification of acceptance: May 31, 2017
Course dates: June 12-16, 2017

Note:
- Incomplete application forms will not be entertained.
- For additional copies of the registration form, please use a photocopy or type in the format given.
REGISTRATION

Fee Per participant for the entire course:

- Rs. 10000 for student participants
- Rs. 19000 for participants from academia/Government Organization
- Rs. 25000 for participants from Industry

Fee can be paid by demand draft. Demand draft should be drawn in favour of “The Registrar, IIT Bombay- CEP Account” payable at Mumbai.

One may also transfer the amount at State Bank of India, IIT Bombay Powai branch, Bank A/c No.: 10725729128, Account Type: CURRENT, MICR Code: 400002034, IFSC Code SBIN0001109, SWIFT code: SBININBB519, Beneficiary: Registrar, IIT: Bombay, Purpose / Reference: CEP course, PAN Number: AAATI14446A and Email ID: cep@iitb.ac.in. Please send print out of transaction details along with registration form and information of Name of the person who deposited the amount in Bank, Transaction No., Date of Transaction, Amount, Bank and Branch Name.

No income tax is to be deducted at source from the course fee, as IIT Bombay is exempt from the same. The course fee includes 15% service tax, charges for course material, lunch and coffee/tea breaks on course dates.

Completed registration forms should be sent to the course coordinator at the following address:

Prof. Ambarish Kunwar
Course Coordinator
Department of Biosciences and Bioengineering
IIT Bombay, Powai, Mumbai – 400 076.
Phone: (022) 2576 7799
Fax: (022) 2572 3480
Email: akunwar [at] iitb.ac.in

CEP Short Term Course

Laboratory and Ergonomic Safety for Engineers

June 12 - 16, 2017

Course Coordinator
Prof. Ambarish Kunwar
Department of Biosciences and Bioengineering

Office of
Continuing Education &
Quality Improvement Programme
Indian Institute of Technology Bombay Powai, Mumbai - 400 076

http://www.bio.iitb.ac.in/~akunwar/cepsafety2017/
REGISTRATION FORM

CEP Short Term Course
Laboratory and Ergonomic Safety for Engineers
Jun 12 - 16, 2017

NAME (BLOCK LETTERS): ___________________________________________________
___________________________________________________            Gender: M / F

DESIGNATION: _____________________________________________________________

ORGANIZATION: ____________________________________________________________

MAILING ADDRESS: ________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

TELEPHONE: ___________________(O) ________________________ (R)
FAX: ____________________________ MOBILE: ________________________
EMAIL: __________________________

QUALIFICATIONS: _________ EXPERIENCE: _______ Yrs.

IIT Guest House/Hostel accommodation required?*   YES / NO

PAYMENT:  D.D. No.:   Dt.   Rs.
(Demand draft should be drawn in favour of “Registrar, IIT Bombay (CEP A/c)”)

Date:                     Signature of Applicant

*Guest House/Hostel bill to be paid directly by participant.

(PHOTOCOPY ADDITIONAL COPIES OF THIS FORM, IF NEEDED)