

Objectives of the Course

Cutting-edge frontiers in technology and global competition has made it imperative for industry to continuously strengthen its research activities, a significant component of which involves application of mathematical and computational methods. Obviously, this component of research is vital also in the work of the personnel belonging to the R&D establishments.

The purpose of this course is to arm the participant with the necessary ideas and methods, so that when mathematical elements appear in research, one can tackle them with confidence, possibly with further independent study into specialized areas. Its major role is to summarize, crystallize, enhance and give a forward orientation to the mathematical methods taught in undergraduate curriculum, with projections to future requirements.

The course will be useful for college/university teachers as well for research foundation and curriculum development.

Course Contents

Numerical Linear Algebra, Nonlinear Optimization, Numerical Methods, Vector and Complex Analysis, Differential Equations and Applications, Approximation Techniques.

Course Fees

| | |
|-------------------------------|------------|
| General category | Rs.10000/- |
| College teachers and students | Rs.4000/- |

How to Apply

Those interested in attending the course are requested to fill the registration form enclosed and send the completed application with a passport size photograph and a demand draft towards the course fee in favour of “Mathematical Methods 2007” payable at State Bank of India, IIT Kanpur Branch¹, to the address

Dr. Bhaskar Dasgupta,
Centre for Robotics,
Indian Institute of Technology,
Kanpur — 208 016;

so as to reach by 15 Feb 2007.

Important Points to Note

1. In student category, a limited number of participants will be selected, based on seat availability.
2. In all cases, if we are unable to accommodate an applicant due to constraints on number of seats, the fee paid by him/her will be refunded.
3. Accommodation and meals will be appropriately arranged for the participants, against normal institute charges.

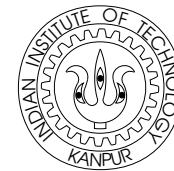
ANNOUNCEMENT

Short Term Course

on

Mathematical Methods in Engineering and Science

27 Feb – 17 Mar, 2007



Centre for Robotics
Indian Institute of Technology
Kanpur

Course Coordinator:
Dr. Bhaskar Dasgupta

- *Comprehensive Coverage*
- *Detailed Tutorials*
- *Interactive Discussion Sessions*
- *Lab Sessions for Computational Exercises*

<http://home.iitk.ac.in/~dasgupta/stc2k7/>

¹Cheques of SBI, IIT Kanpur branch are also acceptable.

Contact:

Dr. Bhaskar Dasgupta,
Centre for Robotics,
Indian Institute of Technology,
Kanpur — 208 016.

Phone: 0512-259-7995/7095/8706
Mobile: 9919631614
Fax: 0512-259-7995/7408
Email: dasgupta@iitk.ac.in
URL: <http://home.iitk.ac.in/~dasgupta>

Secretarial desk:

Amit Kumar and Rekha Gaur,
Centre for Robotics,
Indian Institute of Technology,
Kanpur — 208 016.

Phone: 0512-259-7995/7095
Mobile: 9935272384

C
u
t
h
e
r
e.

Important:

Look up the course web-site

<http://home.iitk.ac.in/~dasgupta/stc2k7/>

periodically to get updates and general information.

REGISTRATION FORM

(Please fill in block letters or type)

NAME :
DATE OF BIRTH :
SEX (for accommodation purposes) :
QUALIFICATION :
EXPERIENCE :
AREAS OF INTERESTS :
DESIGNATION :
DEPARTMENT :
INSTITUTE/ORGANIZATION :
FULL ADDRESS :

PHONE :
FAX :
EMAIL :
DEMAND DRAFT NUMBER, BANK AND DATE:

RECOMMENDATION OF HEAD OF INSTITUTION
(Not needed for general category):

SIGNATURE OF THE PARTICIPANT

For office use only

Ref. No.: Photo: received/required

Remarks:

(Course Coordinator) Date:

SIGNATURE WITH SEAL