



Short Term Course
on
Mathematics in Engineering
(MIE – 2018)

Sponsored by TEQIP III
June 04 – 09, 2018



ORGANIZED BY

Mathematics Section
Department of Applied Sciences
Punjab Engineering College
(Deemed to be University)
Sector 12, Chandigarh (UT), India
Tel: 0172 – 2753251/2753252

OVERVIEW

One week short term course on “Mathematics in Engineering” is being organized by the department of Applied Sciences, Punjab Engineering College (deemed to be University), Chandigarh. The course is designed to cater to the needs of faculty, research scholars and professionals working at Science and Engineering institutions of higher learning, R & D laboratories and industry in areas related to Mathematics and Engineering.

At any stage of engineering, be it planning, design, construction, quality evaluation or control, Mathematics is required as an essential tool and forms the common foundation of all branches of Engineering. An engineer is required to be capable of applying mathematical methods to solve real world problems related to engineering. By building and enhancing mathematical skills, the engineer can develop analytical methods to solve problems of scientific and industrial relevance.

COURSE CONTENTS

The major thrust of the Short Term Course will be on basic areas of Mathematics which are essential for any engineering discipline and shall include the following topics:

- Discrete Mathematics
- Matrices and Linear Algebra
- Calculus and differential Equations
- Probability and Statistics
- Optimizations techniques
- Computing skills
- Mathematical modelling.

PUNJAB ENGINEERING COLLEGE (Deemed To Be University), CHANDIGARH

The Punjab Engineering College (deemed to be University), is one of the premier institutes of technology in India. It was originally established as Mugalpura Engineering College at Lahore (now in Pakistan) on November 9, 1921. In 1953, the college shifted to its present campus in Chandigarh. In October 2003, the Punjab Engineering College became a Deemed to be University. Currently the institute is offering eight undergraduate programmes, fourteen post graduate programmes and PhD programmes in all disciplines of Science and Engineering.

DEPARTMENT OF APPLIED SCIENCES

The department offers core courses in Mathematics, Physics, Chemistry and Engineering Geology. In addition to a compulsory course in Mathematics for B.Tech. 1st year students, several elective courses are offered to select branches of undergraduate engineering according to the prescribed curriculum. Furthermore, courses in Advanced Mathematics are offered to postgraduate students of various branches of engineering.

ABOUT CHANDIGARH

Chandigarh, also known as ‘The City Beautiful’, is a city and a Union Territory in the Northern part of India. Chandigarh, is well connected with rail, road and air. It is 250 km from Delhi. Shimla (125 km) and Pinjore (30 km) are the nearby places of tourist interest.

Weather: The weather at Chandigarh during the month of June is generally hot with temperature ranging from 25 to 42 degree Celsius.

COMMITTEE

Patron

Dr, Manoj K. Arora
Director, Punjab Engineering College
(Deemed to be University)

Chairperson

Dr. Harminder Kaur
Head, Department of Applied Sciences

Coordinator

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Co-Coordinator

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ACCOMODATION /TRAVEL EXPENSES

The participants will have to make their own arrangements to meet the travel expenses. Boarding and lodging can be arranged in PEC Hostel/Guest House (subject to availability) or outside upon prior request on payment basis. Working Lunch and tea would be provided to the participants during the course.

IMPORTANT DATES

Last date of receipt of Application Form –	25th May 2018
Confirmation of Participation –	30th May 2018
Registration –	4th June 2018

IMPORTANT NOTE

Candidates should proceed to join the course only on receipt of confirmation of admission as seats in the course are limited.

REGISTRATION FORM



SHORT TERM COURSE

On

Mathematics in Engineering

(MIE 2018)

June 04-09, 2018

Name:

Designation:

Academic Qualification:

Department:

Name of the Institution:

Address for correspondence:

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Phone:

Accommodation required (Yes/No):

Date:

Signature of Applicant