

Whom will the course benefit?

The course would be useful to faculty members in the areas of chemistry, bio-medical engineering and bio-technology.

Course outline and objectives:

To teach interpretive NMR Spectroscopy

Course contents:

- Basic theory of NMR spectroscopy
- Chemical shifts
- Coupling constants
- Relaxation,
- Proton, Carbon, Fluorine NMR
- Spectral identification of compounds
- Spectral editing
- Multi-dimensional NMR spectroscopy

Course organization:

The course will consist of lectures by IISc faculty and also visit to the NMR facility.

Faculty:

IISc faculty will deliver the lectures.

Eligibility:

The course is meant for faculty of AICTE - recognized engineering colleges. Selected teachers will be paid TA at actual subject to the limit of Three tier AC train/bus fare by the shortest route from the place of work to Bengaluru and back. **However, the maximum TA payable is Rs.3000/-.** They will be provided with a daily allowance of Rs.500/- per day (for 5 days only) towards boarding and lodging as per QIP rules, and will be supplied with the course materials. **The lodging charges will be Rs.300/- per day. Local participants will be paid DA @ Rs.150/- per day for 5 days.**

A few seats are available for non-sponsored (self-support) teachers, scientists from R&D organisations, practicing engineers from industry and others interested in this course. **A course fee of Rs.10,000/- will be charged to these participants.** This will entitle them to participate in the course and receive the course material. Single room **accommodation** is available on the Institute campus at the **Hoysala guest House.** The participants have to request in advance along with the registration form for such accommodation. The lodging charges will be **Rs.1000/- per day,** for self-support college teachers **and Rs.1500/- per day** for industry participants, subject to availability of accommodation.

**CENTRE FOR CONTINUING EDUCATION
Indian Institute of Science
Bengaluru - 560 012**

**QIP Short Term Course
On
Applications of NMR Spectroscopy in Structural
and Conformational Analysis**

21 - 25 November, 2016

Registration Form

(Please mail to reach before 28th October, 2016)

1. Name.....
2. Age:..... Sex: Male/Female
3. Office address
4. Landline No. with STD code:.....
5. Mobile No.
6. Email ID:.....
7. Academic Qualifications
Degree subject year University
Diploma/B.Sc./B.A.....
B.E/B.Tech/M.Sc.
M.E/M.Tech./M.Phil.....
Ph.D. Completed/Pursuing/Intend pursuing:.....
Thesis title/Proposed Research Area:.....
8. Teaching Experience.....(Years)

9. Industry Experience(Years)
10. Courses taught/professional responsibilities.....

11. Accommodation required Yes / No
12. Self-support candidate : Rs. 10,000/-
 Demand Draft No.....
 dated.....

I agree to abide by the rules of the QIP courses. If selected, I shall participate in the course for the entire duration.

Date:
Place:

Signature

The applicant Mr/Ms.....

.....
 from our institution will be permitted to attend the QIP Short Term Course on “Applications of NMR spectroscopy in Structural and Conformational Analysis” to be held during 21st – 25th November, 2016 at the Indian Institute of Science, Bengaluru, if selected. He/she will be granted necessary leave of absence.

Place:

Date:

Signature of Head of the
Department

Signature and Seal of the
Principal of the Institution

(Xerox copy of this form may also be used)

Please mail the filled-in application form to:

The Section Officer
 Centre for Continuing Education
 Indian Institute of Science
 Bengaluru - 560 012
 Telephone: 080-23600911, 22932055/2491
 Email: so@cce.iisc.ernet.in/
 office@cce.iisc.ernet.in

To reach on or before 28th October, 2016.

Intending participants may use the attached application form or a xerox copy of the same. Applicants from AICTE recognized colleges are required to submit their applications sponsored by their colleges.

Non-sponsored (self-support) teacher applicants /others should send their application along with a **DD for Rs.10,000/-** drawn in favour of “**Registrar, Indian Institute of Science, Bangalore-560012**” payable at Bengaluru.

Deadlines:

Receiving completed application: **28th October, 2016**

Intimation of selection: **2nd November, 2016**

**QIP Short Term Course
 On**

**Applications of NMR Spectroscopy in
 Structural and Conformational
 Analysis**

21st – 25th November, 2016

Coordinator

**Prof. Siddhartha P Sarma
 Molecular Biophysics Unit**

**Sponsored by
 AICTE, NEW DELHI**



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 Indian Institute of Science
 Bengaluru - 560 012**