

Science Academies' Refresher Course in Statistical Physics

Sponsored by
Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Prayagraj

organised by
Sir P. T. Sarvajanic College of Science, Surat
10 to 22 June 2019

The Course is aimed at college teachers of statistical physics at BSc/MSc level. It will cover basic principles and techniques, in a pedagogical manner, through lectures and tutorials, with illustrative problems. Some advanced topics, and common difficulties faced by students will also be discussed. College/University teachers, with at least a master's degree in Physics/Mathematics/Engineering are encouraged to apply.

Topics: There will be six courses dealing with, basic principles and general results, Probability theory and applications, Quantum statistics: Bose and Fermi distributions, Bose condensation, Markov processes and Computer simulations, Critical phenomena and renormalization group theory, Introduction to Non-equilibrium statistical physics

Resource Persons: Rahul Marathe (IIT, Delhi), R. Rajesh (IMSc, Chennai), Kavita Jain (JNCASR, Bengaluru), Sudhir Jain (BARC, Mumbai), Chandan Dasgupta (IISc, Bengaluru), Kabir Ramola (TIFR, Hyderabad)

Course Director: Prof. Deepak Dhar; Course Coordinator: Dr Pruthul Desai

Teachers/research scholars who wish to participate should send a short letter explaining their reasons for wanting to participate, along with brief curriculum vitae (including name, date of birth, gender, educational qualifications, teaching experience, typical courses taught, positions held, postal and email address, and contact numbers).

Interested applicants must submit their application ONLINE by clicking on the following link:

<https://web-japps.ias.ac.in:8443/Refreshcourse/RPF.jsp>

Applications should be sent (preferably by email) to pruthulrcsp@gmail.com or by post to: Dr Pruthul Desai, Department of Physics, Sir P. T. Sarvajanic College of Science, Athwalines, Surat – 395001.

Selected participants will be provided local hospitality. Outstation participants will be reimbursed round trip 3-tier train fare (shortest route) from the place of residence. Participants are expected to stay for the full duration of the course.

Last date for receipt of application: 31 March 2019.



Science Academies' Refresher Course in Experimental Physics

Sponsored by
Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Prayagraj

in collaboration with
Government Autonomous College
Rourkela, Odisha 769004
4 to 19 June 2019

The Science Academies' Refresher Course in Experimental Physics will be held in the Government Autonomous College, Rourkela, from 4 June 2019 to 19 June 2019 for the benefit of faculty involved in teaching undergraduate and postgraduate courses in Physics. Participants in this course will gain hands on experience with about 25 experiments designed by Professor R. Srinivasan, for the Indian Academy of Sciences. The course Director will be Dr C S Sundar F.A.Sc.

The Government Autonomous College, Rourkela, has maintained its reputation as a premier mega college of Sambalpur university. The Physics Department was started in 1962 and offers the Honours and elective courses in Physics, CSC, ETC and MTC at the degree level and two years MSc in Physics and Computer Science.

More than hundred Refresher courses in Experimental Physics have been conducted in many institutions so far including universities, autonomous colleges, and advanced scientific institutions involved in education. The Course will enable the participants, through lectures and laboratory sessions, to enhance their skills in experimental physics and facilitate them to introduce the experiments in their respective curricula. UGC has approved two weeks Refresher Courses of good standing for promotion, vide notification: F31/2009 dated 30 June 2010

Applications are invited from teachers with experience in teaching undergraduate and postgraduate courses in Physics. III year BSc, I year M.Sc. Physics students and research scholars with keen interest in Experimental Physics may also apply. The number of seats will not exceed 34. Selected participants will be provided with roundtrip bus/train (III AC) fare by the shortest route and local hospitality during the course in addition to course material.

Interested applicants must submit their application ONLINE by clicking on the following link:

<https://web-japps.ias.ac.in:8443/Refreshcourse/ANM.jsp#>

A copy of the application form signed by the applicant should also be sent by Post to The Course Coordinator. In case of teachers, the form must also be signed and stamped by the Head of the applicant's institution stating that leave will be sanctioned. If the applicant is selected for the Course. A recommendation letter from a teacher is essential for student applicants. Scanned copies of the duly signed documents sent by email will also be accepted.

Applications may be sent to: Dr Bishwanath Parija, Course Coordinator, Refresher Course in Experimental Physics, Department of Physics, Government Autonomous College, Rourkela, Odisha 769004 Email: magurakud@gmail.com.

Last date for the receipt of applications: 1 May 2019

Selected participants will be informed by: 15 May 2019

