

REFRESHER & PREPARATIVE WINTER SCHOOL (RPWS)

for

2nd Year M.Sc. Science Students
(Biology, Chemistry & Physics)

on

05 - 22 December 2022

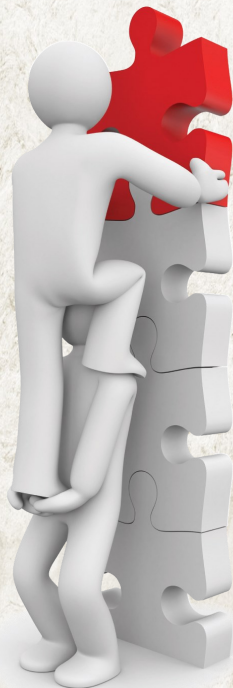
venue

IISER Thiruvananthapuram

target participants

Ph.D. Aspirants

(Preparing for national - level examinations
like NET, GATE, JGEEBILS, JEST, etc.)



- ◆ Firm up fundamentals
- ◆ Strengthen understanding of advanced concepts
- ◆ Equip with problem solving capability

- ◆ Eligibility : M.Sc. Final Year or Equiv.
- ◆ Last Date : October 10th, 2022

◆ Free Online Registration

IISER Thiruvananthapuram



WINTER SCHOOL IN BIOLOGY

Winter School in Biology is aimed at fostering active learning of fundamental concepts in modern biology with a research outlook. The training includes interactive lecture sessions, glimpse of biology labs, research seminars and soft-skills for science. The program will focus on training highly talented and motivated students who are interested in pursuing a research career after Masters.



INTAKE

- ◆ 60 students
- ◆ Nation-wide selection



ELIGIBILITY

- ◆ Final year of M.Sc. and integrated BS-MS in Biological Sciences and allied subjects.



SELECTION CRITERIA

- ◆ Cumulative weighted aggregate of grades up to the latest semester in Masters degree
- ◆ Statement of Purpose & Reference Letters



STUDY & RESEARCH THEMES

- | | | |
|------------------------|---------------------|-------------------------|
| ◆ Biochemistry | ◆ Genetics | ◆ Ecology |
| ◆ Evolutionary Biology | ◆ Molecular Biology | ◆ Immunology |
| ◆ Microbiology | ◆ Genomics | ◆ Structural Biology |
| ◆ Cell Biology | ◆ Neurobiology | ◆ Developmental Biology |



Free Online Registration

Deadline: 10 Oct 2022

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SCHOOL OF BIOLOGY,
IISER THIRUVANANTHAPURAM

WINTER SCHOOL IN CHEMISTRY

The school of chemistry, Indian Institute of Science Education and Research Thiruvananthapuram intends to inculcate a scientific attitude and aptitude for research in young minds. The aims of this refresher and preparative winter school are to i) lay a strong foundation in the fundamental concepts through a quick recap, ii) strengthen understanding of advanced concepts and iii) develop problem solving capability in diverse areas of chemistry, which include organic, inorganic, physical, and theoretical chemistry. The students will be taught in an one-one interaction fashion by experts in the aforementioned areas of Chemistry. This program also intends to provide key inputs on different opportunities available to the students after their postgraduate program. A total number of sixty students (at the national level) will be selected based on their academic performances.



ELIGIBILITY ♦ M.Sc. Second Year



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SCHOOL OF CHEMISTRY,
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Winter School in Chemistry

WINTER SCHOOL IN PHYSICS

A master's level refresher program on foundations in physics with exposure to frontier research



HIGHLIGHTS

- ◆ Comprehension, Reasoning and Problem Solving in Physics
- ◆ Exposure to cutting-edge international research
- ◆ Discussions on opportunities after Masters



TOPICS & SPEAKERS

- ◆ Mathematical Methods: D. V. Senthilkumar, Bindusar Sahoo
- ◆ Classical Mechanics: M. M. Shaijumon, Joy Mitra, Soumen Basak
- ◆ EM Theory and Optics: Deepshikha Jaiswal Nagar, Rajeev Kini, Ramesh Chandra Nath
- ◆ Quantum Mechanics: Amal Medhi, Madhu Thalakulam
- ◆ Thermodynamics and Statistical Physics: Shabnam Iyyani, Sreedhar B. Dutta
- ◆ Electronics and Experimental Methods: Suhesh Kumar Singh, Tuhin S. Maity, Bikas C. Das
- ◆ Atomic and Molecular Physics: Ravi Pant, Anil Shaji
- ◆ Condensed Matter Physics: Bikas C. Das, Vinayak Kamble, Deepshikha Jaiswal Nagar
- ◆ Nuclear and Particle Physics: Tanumoy Mandal
- ◆ Experimental Demonstrations: Manoj Namboothiri, S. Kumaragurubaran



FOR MORE DETAILS ABOUT SCHOOL OF PHYSICS [CLICK HERE](#)



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SCHOOL OF PHYSICS,
IISER THIRUVANANTHAPURAM

Winter School in Physics

