



NCP Physics Education Program

Third Refresher Course for Physics Teachers “Problem Solving and Concept Development”

2nd Module July 14th – August 1st, 2025

Organized by

Centre of Excellence (CoE) Physics

National Centre for Physics, Islamabad



Introduction:

The National Centre for Physics has started a program to improve the knowledge base and teaching skills of educators at the Masters/BS level. The focus of the program is to address the issues being faced by teachers in concept development and in problem solving as a basic part of physics education. Each Refresher Course consists of 02 Modules. The first Module of third Refresher Course was conducted in July-August, 2024. In continuation, NCP will organize the Second Module of the Third Refresher Course, at its premises, from 14th July to 1st August, 2025. The course will consist of lectures, problem solving sessions, discussions and demonstrations of teaching experiments conducted by experienced faculty members from NCP, QAU, CUI and LUMS.

1. The current Module will cover 3 major disciplines at the B.S. level, namely
 - **Mathematical Methods**
 - **Quantum Mechanics**
 - **Thermal and Statistical Physics.**
2. This will be an intensive course with six hours of interactive sessions each day. Selected participants are expected to engage with full commitment. Performance and active participation will be assessed throughout, and certificates of participation and achievement will be awarded based on these evaluations.
3. As seats are limited, selection will be based on the applicants' academic background and teaching experience.

Participation

Applications are invited from across the country, from individuals currently teaching physics at the B.S. level and holding at least a Master's degree. Boarding and lodging will be provided by NCP for outstation participants. There is no registration fee for the course.

How to Apply

Online Application Form is available at: <http://www.ncp.edu.pk/trcpt-2025.php> and should be submitted not later than June 30th, 2025. The short-listed candidates will be informed by email.

For further Information, Please Contact:

Activity Secretariat: caad@ncp.edu.pk

Manager (Scientific Event Mangement)

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Advisory Board

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Dr. Mohsin Siddiq (NCP)

Participating Faculty

Prof. Waqas Masood (CUI)

Prof. M. Jamil Aslam (QAU)

Dr. Syed Moez Hassan (LUMS)

Dr. Rizwan Khalid (LUMS)

Dr. Aeysha Khaliq (LUMS)

Dr. Shabbar Raza (FUUAST)

Dr. Ishtiaq Ahmed (NCP)

Dr. Shahin Iqbal (NCP)

Dr. Bilal Tariq (NCP)

Dr. Ambreen Uzair (NCP)

Experimental Demonstration

Prof. Raheel Ali (QAU)

Technical Committee

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Application Deadline

June 30th, 2025