



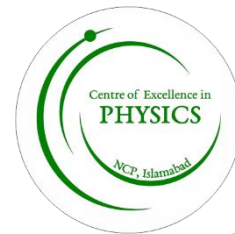
# NCP Physics Education Program

## Fourth Refresher Course for Physics Teachers

### “Problem Solving and Concept Development”

#### 1st Module

13th July – 1st August, 2026



Organized by  
**Centre of Excellence (CoE) Physics**  
**National Centre for Physics (NCP), Islamabad, Pakistan**

### 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 second Module of third Refresher Course was conducted in July-August, 2025. In continuation, NCP will organize the 1st Module of the Fourth Refresher Course, at its premises, from 13<sup>th</sup> July to 1<sup>st</sup> August, 2026. The course will consist of lectures, problem solving sessions, discussions and demonstrations of teaching experiments conducted by experienced faculty members from NCP, QAU, CUI, VU and LUMS.

### Topics

The current Module will cover 3 major disciplines at the B.S. level, namely

- Mathematical Methods
- Classical Mechanics
- Electromagnetism

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.

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/frcpt-2026.php> and should be submitted not later than **June 26<sup>th</sup>, 2026**. The short-listed candidates will be informed by email.

### Course Coordinator

*Dr. Shabbir Ahmad (NCP)*  
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Tel: +92-51-2077300 ext. 443

### For further Information, Please Contact:

Activity Secretariat: [caad@ncp.edu.pk](mailto:caad@ncp.edu.pk)

#### GM Scientific Event Management

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### Advisory Board

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### Program Directors

*Prof. S. Khurshid Hasanain*  
*Dr. Mohsin Siddiq (NCP)*

### Participating Faculty

*Prof. Waqas Masood (CUI)*  
*Prof. M. Jamil Aslam (QAU)*  
*Dr. Syed Moez Hassan (LUMS)*  
*Dr. Rizwan Khalid (LUMS)*  
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### Experimental Demonstration

*Prof. Arif Mumtaz (QAU)*

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*Dr. Usman Saeed (NCP)*  
*Dr. Sunia Hassan (NCP)*

### Technical Coordinator

*Dr. Ambreen Uzair (NCP)*

### Management Committee

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*Mr. Malik Zia ud Din Kasi (NCP)*  
*Mr. M. Kamran Saadat (NCP)*  
*Dr. Tanzeel Murtaza (NCP)*

**Registration Deadline**

**26<sup>th</sup> June, 2026**