

# TEACHING EXPERIENCE

PARTHA MUKHOPADHYAY



May 6, 2025

## OPEN ACCESS COURSE INITIATIVE

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### Quantum Field Theory in Path Integral Approach I

*May 2023 - Present*

*Graduate Level*

- Weekly structured lectures on [YouTube](#)
- Chapter-wise presentation on [Enabla](#)
- Weekly Q&A sessions over Zoom (registration through [Telegram](#))

## ONLINE COURSES

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### Quantum Field Theory II

*January – May 2022*

*Graduate Level*

- Offered to selected students from academic institutions across India.
- Teaching through prerecorded lectures.
- Weekly online Q&A sessions over Zoom.

## COURSES AT THE INSTITUTE OF MATHEMATICAL SCIENCES (IMSc)

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### Graduate Courses

*PhD course work*

### Quantum Field Theory II

*January – May 2024*

### Quantum Field Theory II

*January – May 2023*

### General Relativity and Cosmology

*January – May 2020*

### Classical Mechanics

*August – December 2018*

### General Relativity and Cosmology

*January – May 2018*

### Quantum Field Theory II

*January – May 2017*

### Quantum Mechanics I

*August – December 2015*

### Quantum Mechanics II

*January – May 2014*

### Quantum Mechanics II

*January – May 2012*

## **Advanced Courses**

*Special course for advanced PhD students and postdocs*

### **Dynamics of Extended Body in General Relativity**

*August – December 2019*

### **Introduction to Bosonic String Theory**

*August – December 2010*

## **OTHER COURSES**

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### **General Theory of Relativity (12 lectures)**

*September – October 2012*

*Graduate Level*

*Preparatory School for Theoretical High Energy Physics*

*Science & Engineering Research Council, Government of India*

*North Bengal University*

*Darjeeling WB India*

### **AST 192: Stars, Galaxies and the Universe**

*August - December 2007*

*Undergraduate Level*

*University of Kentucky*

*Lexington KY USA*

### **Selected topics in Physics**

*March 2000*

*High School Level*

*Harish-Chandra Research Institute*

*Prayagraj UP India*

## **TEACHING ASSISTANTSHIPS**

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### **General Physics**

*September 2001 – May 2002*

*Undergraduate Level*

*Pennsylvania State University*

*University Park PA USA*

### **Quantum Field Theory**

*January - May 1999*

*Graduate Level*

*Harish-Chandra Research Institute*

*Prayagraj UP India*