



होमी भाभा विज्ञान शिक्षा केंद्र  
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION  
टाटा मूलभूत अनुसंधान संस्थान  
TATA INSTITUTE OF FUNDAMENTAL RESEARCH

भारत सरकार का नाभिकीय विज्ञान एवं गणित का राष्ट्रीय केंद्र एवं समविश्वविद्यालय

*National Centre of the Government of India for Nuclear  
Science and Mathematics and a Deemed University*

वी. एन. पुरव मार्ग, मानखुर्द, मुंबई-४०००८८.

V. N. Purav Marg, Mankhurd, Mumbai-400088.

दूरभाष / Telephone : 022-2507 2100 / 2558 0036 / 2556 7711

वेबसाइट / Website : [www.hbcse.tifr.res.in](http://www.hbcse.tifr.res.in)

**HBCSE Graduate Courses**

<https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses>

**Academic Year 2023-24**

**Graduate Courses for August-December 2023**

**(Classroom Teaching & Hybrid)**

The following graduate courses are being offered via classroom teaching & hybrid mode in the August to December semester of the academic year 2023-24.

Course Details	Course Type	Course Number
Introduction to Science and Mathematics Education Research Instructor: Prof. Aniket Sule Tutor: Dr. Akshat Singhal Credits: 4 Course Outline: <a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/1_introduction-to-science-mathematics-education-research_course-outline.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/1_introduction-to-science-mathematics-education-research_course-outline.pdf</a>	Core Course	SCE101.2
Understanding Teaching Practices (Part 1) Instructors: Dr. Narendra Deshmukh, and Dr. Kalpana Kharade Credits: 4 Course Outline: <a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/2_teaching-practicum-ndd-kk-2023.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/2_teaching-practicum-ndd-kk-2023.pdf</a>	Core Course	SCE103.2
Research Publication Ethics and Effective Science Communication Instructors: Dr. Anuttama Kulkarni and Prof. Arnab Bhattacharya Credits: 2 Course Outline: <a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/3_hbcse_pubethics_sciwrite_2023.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/3_hbcse_pubethics_sciwrite_2023.pdf</a>	Core Course	SCE109.2

<p>Mathematics Education Research: Themes, Processes, and Sensibilities  Instructor: Dr. Shweta Naik  Credits: 4  Course Outline:  <a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/5_mer_themese_processes_sensibilities.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/5_mer_themese_processes_sensibilities.pdf</a></p>	<p>Elective Course</p>	<p>SCE321.2</p>
<p>Conceptual Blending in Science and Science Education  Instructors: Dr. Mashood K. K., and Prof. Sanjay Chandrasekharan  Teaching Assistant: Mr. Prithu Ghosh  Credits: 2  Course Outline:  <a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/6_conceptual-blending-in-science-and-science-education_cb_2023-docx.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/6_conceptual-blending-in-science-and-science-education_cb_2023-docx.pdf</a></p>	<p>Elective Course</p>	<p>SCE322.2</p>
<p>STEM and Society: Historical and Current Perspectives of scientists, mathematicians, and engineers  Instructor: Dr. Tathagata Sengupta and Prof. Ayush Gupta  Credits: 4  Course Outline:  <a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/4_course-outline_-_scientists-and-mathematicians-in-society_final.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2023-2024/4_course-outline_-_scientists-and-mathematicians-in-society_final.pdf</a></p>	<p>Elective Course</p>	<p>SCE323.2</p>



(Prof. Sanjay Chandrasekharan)  
Course Coordinator, HBCSE



(Prof. Arnab Bhattacharya)  
Convener, SBSE