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## HBCSE Graduate Courses

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

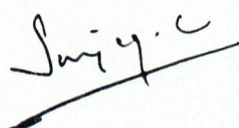
Academic Year 2024-25

### Graduate Courses for August-December 2024

The following graduate courses are being offered via classroom teaching & hybrid mode in the August to December semester of the academic year 2024-25.

| Course Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Course Type     | Course Number |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|
| Introduction to Science and Mathematics Education Research<br>Course Number: SCE101.2<br>Instructor(s): Dr. K. K. Mashood, Dr. P. K. Joshi, and Dr. Shweta Naik<br>Credits: 4<br>Course Outline:<br><a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/outline_intro-to-stme_2024_mashood.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/outline_intro-to-stme_2024_mashood.pdf</a>                                                                        | Required Course | SCE101.2      |
| Understanding Teaching Practices (Part 1)<br>Course Number: SCE103.2<br>Instructors: Dr. Narendra Deshmukh, and Dr. Kalpana Kharade<br>Credits: 4<br>Course Outline:<br><a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/utp-1_ndd-kk.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/utp-1_ndd-kk.pdf</a>                                                                                                                                                | Required Course | SCE103.2      |
| Research Methodology: Qualitative Methods in Science & Mathematics Education Research<br>Course Number: SCE111.2<br>Instructor: Dr. Aswathy Raveendran<br>Credits: 2<br>Course Outline:<br><a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/introduction-to-qualitative-research-methods-monsoon-2024-semester_aswathy.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/introduction-to-qualitative-research-methods-monsoon-2024-semester_aswathy.pdf</a> | Required Course | SCE111.2      |

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| Research Methodology: Advanced Course on STEM Education<br>Research (Qualitative Methods)<br>Course Number: SCE403.2<br>Instructor: Dr. Deepa Chari<br>Credits: 2<br>Course Outline:<br><a href="https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/advanced-research-methodology-syllabus.pdf">https://www.hbcse.tifr.res.in/academic/graduate-school/graduate-courses/academic-year-2024-25/advanced-research-methodology-syllabus.pdf</a> | Elective<br>Course<br>(For<br>Second-<br>Year<br>Students) | SCE403.2 |
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