



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*

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HBCSE Graduate Courses

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

Academic Year 2017-18

Graduate Courses for August-December 2017

The following graduate courses are being offered in the August to December semester of the academic year 2017-18.

Course Details	Course Type	Course Number
Seminar Course on Research on Multiplicative thinking and Algebra Learning Instructors: K. Subramaniam & Shweta Naik Credits: 4 (Reduced credits option - 2 Credits) Course Outline: https://www.hbcse.tifr.res.in/graduate-school/seminar-course-on-mult-thinking-and-alg-learning.pdf	Elective Course	SCE308.2
History of Science (based in Centre for Excellence in Basic Sciences, Santacruz) Instructor: G. Nagarjuna Credits: 2 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/history-of-science-aug-dec-2017-course-outline.pdf	Core Course	SCE104.2
Cognition, Cognitive development and Learning Instructor: Sanjay Chandrasekharan Credits: 4 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/intro-cognition-course-outline-2017-monsoon.pdf	Core Course	SCE106.2

<p>Introduction to Science & Mathematics Education Research (Literature) Instructors: Aniket Sule, Rohini Karandikar & Aaloka Kanhere Credits: 4 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/introduction-to-stme-research.pdf</p>	Core Course	SCE101.2
<p>Research Methodology: Methods of Science & Mathematics Education Research Instructor: Son ali Rajee Credits: 4 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/education-research-methods-syllabus-foundation-course-1.pdf</p>	Core Course	SCE102.2
<p>Seeing education in it's social context Instructor: Amman Madan Credits: 2 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/seeing-education-in-its-social-context.pdf</p>	Foundational Elective Course	SCE202.2
<p>Research Methodology: Teaching practice and school internship / design of learning resource Instructors: Shweta Naik & Shubhangi Bhide Credits: 4 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/teaching-practice-sn-sb-2017-part2.docx-3.pdf</p>	Second Year - Core Course	SCE402.2
<p>Advanced course on Methods of Science & Mathematics Education Research Instructors: Sonali Rajee & Sugra Chunawala Credits: 4 Course Outline: https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2017-2018/advanced-education-research-methods-syllabus.pdf</p>	Second Year - Core Course	SCE401.2

(Prof. Sugra Chunawala)
Dean, HBCSE faculty and Course Coordinator

(Prof. K. Subramaniam)
Convener, SBSE