



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 2019-20**

**Graduate Courses for January-April 2020**

The following graduate courses are being offered in the January to April semester of the academic year 2019-20.

Course Details	Course Type	Course Number
Research Methodology: Qualitative and quantitative foundations of educational research Instructors: Deepa Chari, Reema Mani, Tripti Bameta and others Credits: 4 Course Outline: <a href="https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-qualitative-and-quantitative-foundations-of-educational-research.pdf">https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-qualitative-and-quantitative-foundations-of-educational-research.pdf</a>	Core Course	SCE102.2
History and Philosophy of Science Instructor: G. Nagarjuna Credits: 2 Course Outline: <a href="https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-history-and-philosophy-of-science.pdf">https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-history-and-philosophy-of-science.pdf</a>	Core Course	SCE107.2
Gender and STEM Praxis Instructor: A. Mani Credit: 1 Course Outline: <a href="https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/gender-and-stem-praxis-course-outline.pdf">https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/gender-and-stem-praxis-course-outline.pdf</a>	Elective Course - Summer	SCE603.2

<p>Advanced Topics in Cognition  Instructors: Sanjay Chandrasekharan and Sweta Anantharaman  Credits: 4  Course Outline:  <a href="https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/advanced-topics-in-cognition-course-outline-hbcse-2020.pdf">https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/advanced-topics-in-cognition-course-outline-hbcse-2020.pdf</a></p>	<p>Elective  Course</p>	<p>SCE501.2</p>
<p>Modelling in Science Education  Instructors: K. K. Mashood and Deepa Chari  Credits: 2  Course Outline:  <a href="https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-modelling-in-science-education.pdf">https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-modelling-in-science-education.pdf</a></p>	<p>Elective  Course</p>	<p>SCE313.2</p>
<p>General Rough Sets and Learning of Science  Instructor: A. Mani  Credits: 2  Course Outline:  <a href="https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-general-rough-sets-and-learning-of-science.pdf">https://www.hbcse.tifr.res.in/graduate-school/graduate-courses/academic-year-2019-2020/course-outline-general-rough-sets-and-learning-of-science.pdf</a></p>	<p>Elective  Course</p>	<p>SCE314.2</p>

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

(Prof. K. Subramaniam)  
Convener, Subject Board for Science Education