

## Mathematics Education Research: Themes, Processes, and Sensibilities

Course Code: SCE321.2

Instructors: Dr. Shweta Naik

Credits: 4

### Course Outcome:

Sr. No.	On completing the course students will be able to
CO 1	The course aims to introduce participants to the mathematics education literature by closely studying some of the writings that have had the highest impact in the field. Participants will carefully read the publications listed, participate in informal discussions and critically respond to prompts. Three added perspectives of the course are as follows.
CO 2	The course also gives a foundation understanding of current trends in mathematics education via several MER themes.
CO 3	Additionally, engaging in mathematics – through sessions on problem-solving or designing, would be an aspect of the course. The idea is to elicit processes and mathematics discussed in the studied literature.
CO 4	A third dimension of the course is – learning through problems of teaching – this involves studying classroom scenarios that require reflection from pedagogy and content perspectives. The aim is to analyse student thinking and use that to understand instructional affordances in a formal classroom setting.