

## **Research Methodology: Advanced Course on STEM Education Research**

Course Code: SCE401.2

Instructor: Dr. Deepa Chari

Credits: 4

### **Course Outcomes:**

<b>Sr. No.</b>	<b>On completing the course students will be able to</b>
CO 1	Integrating multiple worldviews in the conduct of qualitative education research
CO 2	Understanding design of quantitative surveys stemmed from theoretical & qualitative foundations
CO 3	Applying self-reflexivity in the understanding of research methods in science education research
CO 4	Critically evaluate theoretical/ paradigmatic positions and understand how theoretical positions influence design and data collection and analysis choices
CO 5	Understand IRB application procedure, ethical concerns, participant and researcher's rights