

**Research Methodology: Quantitative Methods in Science & Mathematics Education  
Research**

Course Code: SCE110.2

Instructors: Dr. Akshat Singhal, Dr. Navaneetha M. R., and Prof. Aniket Sule

Credits: 2

**Course Outcome:**

<b>Sr. No.</b>	<b>On completing the course students will be able to</b>
CO 1	Understand and apply the experimental design process, including sampling methods and reliability considerations.
CO 2	Calculate and interpret key descriptive statistics to summarize educational research data effectively.
CO 3	Conduct inferential statistical tests and draw valid conclusions from data using these techniques.
CO 4	Gain hands-on experience with programming tools (R, Python, XLSX) and platforms for statistical analysis.