

MHJ5343 Nature of Science

Level	5
Course Code	MHJ5343
Course Title	Nature of Science
Credit value	3
Core/Optional	Optional
Course Aim/s	To enable students, reflect on the epistemological aspect of science and the views regarding the methodology, process, and limitations of science.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to</p> <p>CLO1: Identify the limits of their understanding regarding the process and methodologies of science.</p> <p>CLO2: Describe, compare analyse and criticize the accepted methodologies in science.</p> <p>CLO3: Identify the cultural and social factors that shape the views and activities of the scientists.</p> <p>CLO4: Identify Einstein's Special Theory of Relativity and Newtonian theories of motion and gravity as case studies of different paradigms and revolutions in science.</p> <p>CLO5: Apply the concepts introduced in the course to the actual practice of Science such as Newtonian and Einstein theories.</p>
Content	Outline Syllabus: Unit 1: Science & Methodology-Search for a Holy Grail Unit 2: Science & Methodology-Missing the Holy Grail Unit 3: A Revolution in Science-Introduction to the Special Theory of Relativity