

## MHJ5343 Nature of Science

<b>Level</b>	5
<b>Course Code</b>	MHJ5343
<b>Course Title</b>	Nature of Science
<b>Credit value</b>	3
<b>Core/Optional</b>	Optional
<b>Course Aim/s</b>	To enable students, reflect on the epistemological aspect of science and the views regarding the methodology, process, and limitations of science.
<b>Course Learning Outcomes (CLO):</b>	<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>
<b>Content</b>	<b>Outline Syllabus:</b>  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