

**SEMESTER I & II**  
**GET1048 SCIENCE: FROM THINKING TO NARRATIVES**

**Prerequisite: None**

**Preclusions: None**

**Workload:** 50 lecture hours

**Description:**

Science is often perceived as a body of knowledge rather than a mode of thinking and as processes of knowing. This module takes a story-telling approach to examine how the thinking and the processes of science generated narratives (stories) about our universe, natural world, life and ourselves. It asks unconventional questions about thinking, knowing, learning, truth and reality. It explores other controversial and darker narratives of pseudoscience and fraudulent science that arise from the deviation or the misuse/abuse of the thinking and the processes of science. It intersects with non-science to highlight ethical and societal concerns as well as how these narratives ignited imaginations and creativity. Students will learn how science through its thinking and processes have generated narratives, and in turn how these narratives have changed our thinking and beyond. It will broaden knowledge perspectives and hone thinking skills. Requiring no background in science, students will have ample learning activities to support experiential and collaborative learning. Students will gain various skills in thinking, communication and collaboration that are transferable and essential for life-long learning.

S/N	Topics	Lecture hours
1	Introduction and Overview of Module Why Thinking to Narratives	4 hours
2	What is Thinking? Why Think and Ask Why? How did It All Begin? Big What?	4 hours
3	What is Knowledge? What is True and Real? What is the Matter? What on Earth?	4 hours
4	How Do We Know? What is Science? What is Life? How Did Life Evolved?	4 hours
5	How Does Science Know? (Pt.1 and Pt. 2) What Are Humans? What Makes Us Humans? Pt. 1	4 hours
6	How Do We Learn? What Makes Us Humans? Pt. 2	4 hours
7	Collective Learning & Cultural Evolution – Science & Technology The Rise of Humans	4 hours
8	Science and Society Science Intersecting with non-Science	4 hours
9	Pseudoscience (Part 1 & 2)	4 hours
10	Science with Ethical, Legal & Social Implications (Part 1 & 2)	4 hours
11	Science of the Human Mind & Body (Part 1 & 2)	4 hours

S/N	Topics	Lecture hours
12	Future Science (Part 1 & 2)	4 hours
13	Review & Closing Session	2 hours
		<b>Total Lectures: 25</b>
		<b>Total hours: 50 hours</b>

**TEXT BOOK** (Recommended reference books): Students will be provided with ample interesting reading materials that will serve as primers for further reading and learning.

**MODE OF ASSESSMENT (100% continuous assessment):** Group Writing Project (30%), Group Presentation (20%), Structured Reflective Assignments (30%), Online Quizzes and Participation (20%).

**MODULE CO-ORDINATOR:** Dr. Lam Siew Hong