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| Module code | SB-2402 | | |
| Module Title | Discovering Science | | |
| Degree/Diploma | Undergraduate GenNEXT Bachelor degree | | |
| Type of Module | Breadth | | |
| Modular Credits | 4 | Total student Workload | 8 hours/week |
| | | Contact hours | 2 hours/week |
| Prerequisite | None | | |
| Anti-requisite | None | | |
| Aims | | | |
| <p>This module aims to generate interest in science and make it more accessible for non-scientists. Purpose is to increase understanding of how science and technology impact everyday life, to explain the relationships between the various science disciplines and everyday life, to identify and engage in discussions of ethical and social issues raised by particular technologies as well as to learn to evaluate and analyse the social impact of science and technology, and how science and technology are themselves impacted by the needs and demands of society.</p> | | | |
| Learning Outcomes | | | |
| <i>On successful completion of this module, a student will be expected to be able to:</i> | | | |
| Lower order : | 10% | - Describe the basic principles underlying scientific inquiry and the basis for scientific discovery and innovation | |
| Middle order : | 10% | - Analyse and understand how science influences society | |
| Higher order: | 80% | - Connect the concepts and approaches in science and its methodology to allow decision making about science and technology and how they should or should not impact society | |
| Module Contents | | | |
| <ul style="list-style-type: none"> -Hypothesis testing -Robotics -Fascinating animals and plants of Brunei -Health and diet -Drug discovery -Floods and landslides -Heart of Borneo -Chemistry of daily life -Global climate change -Energy efficient lighting -Biomimicry -Biotechnology -Materials for packaging -Pollution: air, water, waste, noise, light <p>Exact content depends on availability of lecturers and may vary from year to year</p> | | | |
| Assessment | Formative assessment | Tutorial assignments and feedback | |
| | Summative assessment | Examination: 0% Coursework: 100% - 4 class tests (60%) - 1 mini-project (20%) - 1 written assignment (20%) | |