Module Code	SB-4290		
Module Title	Research Project		
Degree/Diploma	Bachelor of Science (Biology)		
Type of Module	Major Core		
Modular Credits	8	**Total Student Workload**	10 hours/week for 2 semesters
		Contact hours	4 hours/week for 2 semesters
Prerequisite	None		
Anti-requisite	None		

Aims

To introduce students to research methodologies and developing their own scientific studies. The module aims to teach students about research attitude, research ethics, and data analyses and interpretation. This module will also train students to interpret and critically appraise their research findings with respect to research methodology and data analysis. Students should be able to work independently on future projects.

Learning Outcomes

On successful completion of this module, a student will be expected to be able to:

Lower order:	10%	- Demonstrate the ability to apply research methodology in practice.
Middle order:	10%	- Review literature, identify research problem, formulate research framework - Design research proposal - Plan and prepare for research project
Higher order:	80%	- Conduct experiments, collect data, interpret and discuss results. - Evaluate the biological concepts underlying the scientific questions. - Interpret and critically appraise research findings with respect to study design and data analysis methodologies. - Follow lab procedures and protocols safely and efficiently. - Participate in oral presentation of research and produce a written dissertation independently.

Module Content

- Literature review and proposal writing
- Data collection and analysis
- Thesis writing
- Presenting the thesis orally

Assessment	Formative assessment	Weekly discussions about progress of project with supervisor(s)
	Summative assessment	Examination: 0%
		Coursework: 100% - 1 research proposal (30%)* - 1 research project report in journal article format (40%)* - 1 oral presentation of project report (20%)* - Assessment of student's initiative (10%)** - Notes: *by two assessors (other than supervisor); **by supervisor(s)