

Subject Description Form

Subject Code	ABCT4111
Subject Title	Project
Credit Value	3
Level	4
Pre-requisite	Stage 1, 2 & 3 DSR core subjects
Objectives	The Project is related to work covered by the Course. The objectives of the Project are to promote independent and creative thought, and to train students to develop the academic and literature search/review skills to define, investigate, analyse and solve a scientific/technical problem.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: (a) conduct literature searches and critically assess the material; (b) demonstrate the ability in independent and creative thinking; (c) formulate hypothesis, design and/or conduct studies as well as to analyze and interpret literature data and/or results; (d) appreciate the importance of team work when working within a team environment during a project; (e) manage time and organize efficiently; (f) communicate effectively, for report writing and presentation.
Subject Synopsis/ Indicative Syllabus	The Project involves a literature search/review or investigation of a fundamental or practical topic in applied biology and biotechnology. A small amount of experimental work is permitted although not required. The project could be basic studies on biological compounds, development of methods/products/equipment, design and evaluation of bioprocesses, and feasibility study/survey on the marketing of biological products.
Teaching/Learning Methodology	With guidance from a project supervisor, each student is encouraged to choose and propose his/her own project theme. After conducting preliminary literature searches and critically assessing the material, each student is required to submit a proposal and to carry out an extensive literature search/review on the topic. Supervisors meet regularly with students to monitor their progress and whether the subject's outcomes are being achieved. At the completion of the project, a written report and the delivery of an oral presentation is required. The project is assessed by the achievement of proposed objectives, planning and execution of work, interpretation and presentation of published scientific data.

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c	d	e	f
	1. Project preparation and efficient planning, organization and execution of the project	15	x	x		x	x	
2. Project outcomes: understanding of the topic, logical thinking and analysis, critical review and comments, interpretation and conclusions	60	x	x	x		x		
3. Written report (organization, style, clarity, fluency, effectiveness, grammar and spelling)	15	x	x	x		x	x	
4. Oral presentation and response to questions	10	x	x	x		x	x	
Total	100 %							
Student Study Effort Expected	Class contact:							
	▪ Literature review, project execution and investigation		80 Hrs.					
	Other student study effort:							
	▪ Writing proposal and final report		40 Hrs.					
	▪ Preparing presentation		10 Hrs.					
	Total student study effort		130 Hrs.					
Reading List and References	Related books and articles							