

## **Subject Description Form**

<b>Subject Code</b>	FSN4418 (ABCT4418)
<b>Subject Title</b>	Research Project
<b>Credit Value</b>	6
<b>Level</b>	4
<b>Pre-requisite</b>	Stage 1, 2 & 3 core subjects
<b>Objectives</b>	The primary objective of the subject is to promote students' abilities and efforts to apply and incorporate their knowledge and skills acquired in the programme to solve a practical problem or to investigate a matter of interest in relation to food safety and technology. Another aim is to foster students' all-round skills in creativity, analytical and critical thinking, teamwork, information acquisition, oral and written communications, interpersonal relationship, professionalism and social responsibilities as well as time management and organization abilities.
<b>Intended Learning Outcomes</b>	On successfully completion of this subject, students should be able to a) identify a problem/matter associated with food safety and technology and explain why it requires a solution/investigation (i.e. the aims and objectives); b) integrate and apply the knowledge learned in the programme to design details of a plan (with justification) for achieving the aims and objectives; c) apply skills acquired to carry out the plan of obtaining results through the use of, for examples, computer, experiment, survey, information acquisition from the library and/or internet, etc.; d) critically analyze the results and interpret the data; e) make significant conclusions with justification; f) recognize success/failure of the work done and suggest improvement; g) demonstrate the all-round skills as specified above (see Aims).
<b>Subject Synopsis/ Indicative Syllabus</b>	Project could be simple experimental investigation (e.g. analysis of a harmful substance in raw food materials, creation and sensory evaluation of a new food product, etc.), surveys, case study, design of a food process/sanitation programme, development of a technique, application of new technology and so forth. Projects in co-operation with the food industry, the Government and the commercial sector are particularly encouraged. Students can benefit greatly from problems/investigations in the real-world situations.
<b>Teaching/Learning Methodology</b>	All projects will be the individual project. A brief description of the projects from different PIs in the department will be distributed to students and a briefing session will be arranged for all students before summer of the last academic year. Students are allowed to talk to potential supervisor for the potential projects, which will take about 2~3 weeks. At the end of the selection process, students will turn in their first, second and third priorities of their FYP supervisors and projects to the subject leader, who will balance students' choices and

	assign students to different FYP project. After identifying supervisor and projects, individual student need to talk to the supervisor on the detail process of the project and each student will be required to submit a proposal about the plan and research design of the project after one month working in the lab. At the completion of the project, a final written report and an oral presentation will be required. Continuous assessment will be used to evaluate students' accomplishment and achievement of the learning outcomes.								
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	g
	(1) Project preparation and efficient planning, approach and execution of the project	10	√	√	√				
	(2) Project outcomes: knowledge and understanding of work; logical planning and approach; data analysis, interpretation of results and conclusions	60	√	√	√	√	√	√	√
	(3) Written report (organization, style, clarity, fluency, effectiveness, grammar and spelling)	10	√	√	√	√	√	√	√
	(4) Seminar presentation and response to questions	20			√	√	√	√	√
	Total	100 %							
Student Study Effort Expected	Class contact:								
	▪ Experimental and/or theoretical investigation						180 Hrs.		
	Other student study effort:								
	▪ Writing proposal and final report						64 Hrs.		
	▪ Preparing presentation						16 Hrs.		
	Total student study effort						260 Hrs.		
Reading List and References	Related books and journal articles								

