

Module Specification

Module Summary Information

1	Module Title	Introduction to Food Safety and Microbiology
2	Module Credits	20
3	Module Level	4
4	Module Code	HSC4095

5	Module Overview
<p>This module will introduce you to food safety and microbiology and will help develop your basic laboratory and investigatory skills to identify the microorganisms associated with food science, disease and the wider environment. You will gain confidence in using food safety evaluation guidelines and renowned microbiological techniques to identify and differentiate useful and harmful microbes and other food safety hazards. You will be updated with the latest advances used by the food industry and research in the field of food microbiology, safety and quality.</p>	

6	Indicative Content
<p>This module will cover the fundamentals of food safety and microbiology. You will be introduced to microorganisms which are important in food safety and quality and how these microbes are identified, differentiated, and enumerated. You will examine the factors which determine microbial growth in food and how these can be manipulated to ensure food is safe and of a high quality.</p>	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
	1 Describe the fundamental biology of microbes important in food safety and quality.
	2 Appraise the food safety guidelines and basic microbiological examinations used to evaluate the quality and safety of food products.
	3 Discuss the conditions, factors and techniques which influence the safety of food products.

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1-3	X		

9 Breakdown Learning and Teaching Activities	
Learning Activities	Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	51
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	59-69
Private Study (PS) includes preparation for exams	80-90
Total Study Hours:	200