

394-BB Postgraduate Certificate in Food Science

Year and Campus:	2009																														
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																														
Level:	Graduate/Postgraduate																														
Duration & Credit Points:																															
Coordinator:	Dr Stirk Kyle																														
Contact:	Postgraduate Studies Office, Melbourne School of Land and Environment, The University of Melbourne Victoria 3010 Australia Tel: + 61 3 8344 7834 Fax: + 61 3 9348 2156 Email: msle-pgcoursework@unimelb.edu.au																														
Course Overview:	<p>The Postgraduate Certificate in Food Science is directed at persons who are interested in focusing their further study on food science and its applications in the food and associated industries.</p> <p>This course consists of four subjects (50 credit points), and is equivalent to the first semester of the Postgraduate Diploma in Food Science, or the Master of Food Science degree.</p>																														
Objectives:	<p>The objectives of the course are to:</p> <ul style="list-style-type: none"> # Provide students with a more advanced knowledge of food chemistry, microbiology, food processing and food quality and safety. # Introduce students to industrial applications of food science and technology and the commercial outcomes. # Increase the awareness of emerging technologies and the relevance of this to the future food industry. 																														
Course Structure & Available Subjects:	The Postgraduate Certificate in Food Science requires the completion of 50 credit points of coursework, comprising three core and one elective subject.																														
Majors/Minors/Specialisations	Postgraduate Certificate in Food Science																														
Subject Options:	<p>Postgraduate Certificate in Food Science Core Subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>208-741 Food Chemistry and Microbiology</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>208-742 Food Processing</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>208-743 Food Safety and Quality</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Elective Subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>208-721 Agribusiness Management Economics</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>208-723 Human Resource Management</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>208-728 Managing Risk</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>207-505 Global Environment and Sustainability</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>208-745 Fruit and Vegetable Technology</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	208-741 Food Chemistry and Microbiology	Semester 1	12.500	208-742 Food Processing	Semester 1	12.500	208-743 Food Safety and Quality	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	208-721 Agribusiness Management Economics	Semester 1	12.500	208-723 Human Resource Management	Semester 1	12.500	208-728 Managing Risk	Semester 1	12.500	207-505 Global Environment and Sustainability	Semester 1	12.500	208-745 Fruit and Vegetable Technology	Semester 1	12.50
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Core Participation Requirements:	It is the University policy to take all steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a students participation in the																														

	<p>university's programs. This course requires all students to enrol in subjects where they must actively and safely contribute to laboratory activities and field trips. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liason Unit.</p>
Further Study:	Core subjects
Graduate Attributes:	<p>The Melbourne Experience enables our Graduates to become: Academically excellent Our Graduates will be expected to: -have strong sense of intellectual integrity and the ethics of scholarship -have in-depth knowledge of their specialist discipline(s) -reach a high level of achievement in writing, generic research activities, -problem-solving and communication -be critical and creative thinkers, with an aptitude for continued self directed learning -be adept at learning in a range of ways, including through information and communication technologies Knowledgeable across disciplines Our graduates will be expected to: examine critically, synthesise and evaluate knowledge across a broad range of disciplines expand their analytical and cognitive skills through learning experinces in diverse subjects have the capacity to participate fully in collaborative learning and to confront unfamiliar problems have a set of flexible and transferable skills for different types of employment. Leaders in communities Our graduates will be expected to: initiate and implement constructive change in their communities, including professions and workplaces have excellent interpersonal and decision-making skills, including an awareness of personal strengths and limitations mentor future generations of learners engage in meaningful public discourse, with a profound awareness of community need have a a set of flexible and transferable skills for different types of employment. Attuned to cultural diversity Our graduates will be expected to : -Value different cultures -be well-informed citizens able to contibute to their communities wherever they -choose to live and work -have an understanding of the social and cultural diversity in our community -respect Indigenous knowledge, cultures and values Active global citizens Our graduates will be expected to: -accept social and civic responsibilities -be advocates for improving the sustainability of the environment -have a broad global understanding, with a high regard for human rights, equality and ethics.</p>
Generic Skills:	<ul style="list-style-type: none"> # -A profound respect for truth, intellectual and professional integrity, and the ethics of scholarship # -Capacity for independent critical thought, rational inquiry and self-directed learning and research # -An ability to derive, interpret and analyse social, technical or economic information from primary and other sources # -Awareness of and ability to utilise appropriate communication technology and methods for the storage, management and analysis of data # -Capacity for creativity and innovation, through the application of skills and knowledge # -Ability to integrate information across a relevant discipline to solve problems in applied situations # -Highly developed computer - based skills to allow for effective on-line learning and communication. # -Highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community # -Highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community. # -Appreciation of social and cultural diversity from a regional to a global context # -Ability to participate effectively as a member of a team # -Ability to plan work, use time effectively and manage small projects