## FOOD90035 Plant Food Products

000300331				
Credit Points:	12.5			
Level:	9 (Graduate/Postgraduate)			
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.			
Time Commitment:	Contact Hours: 36 hours Lectures(including two industry tours of three hours each), and 12 hours of practical activities (48 hours total) Total Time Commitment: 170 hours			
Prerequisites:	None			
Corequisites:	None			
Recommended Background Knowledge:	It is recommended that students have completed at least a Level 1 subject in Chemistry and/or biology or equivalent in their undergraduate degree.			
Non Allowed Subjects:	Students should not have previously passed either of the following subjects:			
	Subject	Study Period Commencement:	Credit Points:	
	AGRI90019 Fruit and Vegetable Technology	Semester 2	12.5	
	FOOD90009 Cereal, Legume and Oilseed Technology	Semester 1	12.5	
	requirements for this subject are articulated in the Subject C Assessment and Generic Skills sections of this entry. < take all reasonable steps to minimise the impact of disability reasonable adjustments will be made to enhance a student programs. Students who feel their disability may impact on subject are encouraged to discuss this matter with a Faculty Equity and Disability Support:			

Related Majors/Minors/ Specialisations:	100 Point (A) Master of Agricultural Sciences 100 Point (B) Master of Agricultural Sciences 150 Point Master of Agricultural Sciences		
Related Course(s):	Graduate Certificate in Agricultural Sciences Graduate Certificate in Food Science Graduate Diploma in Agricultural Sciences Graduate Diploma in Food Science Master of Food Science		
Notes:	It is advised that students undertaking this subject should be eligible for Honours or Postgraduate Coursework Programs prior to enrolling.		
	<ul> <li># Develop the ability to work as a team member</li> <li># An ability to derive, interpret and evaluate social, technical and economic information from a wide variety of sources</li> </ul>		
	<ul> <li>research</li> <li># Capacity for creativity and innovation, through the application of skills and knowledge</li> </ul>		
	# Capacity for independent critical thought, rational inquiry and self-directed learning and		
	<ul> <li># Skills in independent critical thinking, analysis, review and report writing</li> <li># Effective written and oral communication skills</li> </ul>		
	# A deep understanding of the plant origin products processing		
Generic Skills:	Students will also develop the following generic skills:		
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees		
Breadth Options:	This subject is not available as a breadth subject.		
Prescribed Texts:	Readings will be provided via the Learning Management System (LMS).		
Assessment:	One 1500 word written review due approximately in the 5th week of semester worth 25% One 1500 word practical report due approximately in the 7th week of semester worth 25% One two-hour written exam due in the end-of-semester examination period worth 50% HURDLE REQUIREMENT: Reflective Blog on the LMS on any four week's topics		
	<ul> <li>of the food industry</li> <li># Interpret the demand of certain type of processed food products based on the production of food products and ingredients of plant origin at national and international level with technological advancement from past to future</li> <li># Evaluate the sustainable ways of food processing due to better understanding of the effect of climate change on food quantity and quality</li> </ul>		
	<ul> <li># Interpret the interactions of ingredients of plant-based produce and their functional role during processing</li> <li># Use the concept and role of quality assurance for processed food products for the success of the food industry.</li> </ul>		
	The objective of this subject is to provide students with an advanced understanding of science and technology associated with plant-based food processing, interaction of ingredients and climate change affecting the food industry. On completion of this subject, students should be able to:		
Learning Outcomes:			
	Climate change and the challenge of producing and processing sufficient and quality food		
	<ul> <li># Fruit and vegetable processing technology</li> <li># Quality assurance</li> </ul>		
	# Cereal, legumes and oilseed processing technology		
	<ul> <li># Connecting with plant-based produce (national and international level), and chemical and nutritional composition of plant-based produce and their interactions</li> <li># Pre-processing handling</li> </ul>		
	The subject will include topics such as:		

## 200 Point Master of Agricultural Sciences