

## BTCH90001 Advanced Plant Breeding & Biotechnology

<b>Credit Points:</b>	12.5
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	This subject is not offered in 2015.
<b>Time Commitment:</b>	Contact Hours: 24 hours lectures and 24 hours case studies (4 hours per week) Total Time Commitment: Not available
<b>Prerequisites:</b>	Eligibility for honours or postgraduate degree
<b>Corequisites:</b>	N/A
<b>Recommended Background Knowledge:</b>	N/A
<b>Non Allowed Subjects:</b>	N/A
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Contact:</b>	<b>Faculty of Veterinary and Agricultural Sciences</b> <i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> ( <a href="mailto:13MELB@unimelb.edu.au">mailto:13MELB@unimelb.edu.au</a> )
<b>Subject Overview:</b>	Case studies are used to illustrate the steps involved in taking knowledge from research laboratory or breeding trials and producing and releasing novel crop varieties. This subject will include a small research project in an area chosen by each student.  On completion of the subject, students should have a sound and broad understanding of the plant breeding systems. The case studies will allow students to contextualize their understanding of laboratory methods and develop an understanding of real-life exploitation of genetic improvement of crop plants.
<b>Learning Outcomes:</b>	To gain an understanding of the application of breeding and biotechnology techniques for plant improvement and cultivar release
<b>Assessment:</b>	Two 3000 word case study reports (60%) – weeks 5 and 10 and end of semester examination (2.5 hr) 40%
<b>Prescribed Texts:</b>	Recent relevant journals
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	Students will gain an understanding of current and newly developing techniques for plant improvement