

## AGRI90040 Managing Grapevine Physiology

<b>Credit Points:</b>	12.5												
<b>Level:</b>	9 (Graduate/Postgraduate)												
<b>Dates &amp; Locations:</b>	This subject is not offered in 2016. Flexible delivery involving online learning through the Learning Management System (LMS)												
<b>Time Commitment:</b>	Contact Hours: N/A Total Time Commitment: 170 hours												
<b>Prerequisites:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>AGRI90031 Winegrowing</td> <td>March</td> <td>12.50</td> </tr> <tr> <td>AGRI90030 Concepts in Viticulture and Wine Science</td> <td>February</td> <td>12.50</td> </tr> <tr> <td>AGRI90032 Winegrowing Operations</td> <td>August</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	AGRI90031 Winegrowing	March	12.50	AGRI90030 Concepts in Viticulture and Wine Science	February	12.50	AGRI90032 Winegrowing Operations	August	12.50
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AGRI90030 Concepts in Viticulture and Wine Science	February	12.50											
AGRI90032 Winegrowing Operations	August	12.50											
<b>Corequisites:</b>	None												
<b>Recommended Background Knowledge:</b>	None												
<b>Non Allowed Subjects:</b>	None												
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt;         &lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>												
<b>Contact:</b>	Email: <a href="mailto:sigfredo.fuentes@unimelb.edu.au">sigfredo.fuentes@unimelb.edu.au</a> (mailto:sigfredo.fuentes@unimelb.edu.au)												
<b>Subject Overview:</b>	This subject is an advanced viticulture subject that builds on the principles and practices developed in the viticulture components of AGRI90031 Winegrowing and AGRI90032 Winegrowing Operations. The subject investigates the biology of the grapevine in detail and methods for developing and manipulating yield and quality using advanced management techniques. The subject also reviews vineyard monitoring and computer-aided decision making, along with the implementation of precision viticulture.												
<b>Learning Outcomes:</b>	<p>On completing this subject students will be able to:</p> <ul style="list-style-type: none"> <li># Understand the biology of the grapevine in detail</li> <li># Apply methods for developing and manipulating yield and quality using prescribed techniques</li> <li># Employ and evaluate computer-aided management tools</li> <li># Monitor vineyard attributes as part of a precision viticulture approach</li> </ul>												
<b>Assessment:</b>	One 1500 word assignment due approximately Week 5 worth 30% One 3500 word assignment - including a draft which is due in approximately Week 6 and final version due approximately Week 12 worth 70%												
<b>Prescribed Texts:</b>	Mullins, M.G., Bouquet, A. and Williams, L.E. (1992) Biology of the grapevine. Cambridge University Press, NY. Dry, P.R. and Coombe, B.G. (eds) (2004) Viticulture. Volume 1: Resources. (2nd Edn). Winetitles, Adelaide. Coombe, B.G. and Dry, P.R. (eds) (1992) Viticulture. Volume 2: Practices. Winetitles, Adelaide. Cole, M. (Ed) (2006) AVI – Grapes.												

	CRCV Technologies. Adelaide. (CD ROM). Gladstones, J. (1992), Viticulture and Environment. Winetitles, Adelaide. Rankine, B. (2004), Making Good Wine. Pan Macmillan, Sydney.
<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>Related Course(s):</b>	Master of Wine Technology and Viticulture