

AGRI90030 Concepts in Viticulture and Wine Science

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Dookie This subject commences in the following study period/s: February, Dookie - Taught on campus. Offered at the Dookie campus - residential school 27/02/12 - 02/03/12. Confirm dates and residential details with Faculty. Flexible delivery involving online learning through the Learning Management System (LMS) and attendance at one 1-week compulsory residential school.
Time Commitment:	Contact Hours: 40 hours during the one-week compulsory residential school Total Time Commitment: 128 hours. Students are expected to devote 8 hours per week (11 weeks) to this subject as well as attend a one-week compulsory residential school.
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	Attend week long teaching block at Dookie campus. 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: http://www.services.unimelb.edu.au/disability/
Coordinator:	Mr Peter Mcsweeney
Contact:	Melbourne School of Land & Environment Student Centre Ground Floor, Land & Food Resources (building 142) <i>Enquiries</i> Phone: 13 MELB (13 6352) Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)
Subject Overview:	This subject has six modules in which it introduces topics that will be further developed in later viticulture and wine science subjects. The modules include an introduction to viticulture, soil, grapevine structure and function, pests and diseases, wine microbiology and wine chemistry.
Objectives:	This subject provides an introduction to the science of viticulture and oenology. On completing this subject students will be able to: 1. Show an appreciation of the relationship between viticulture and wine quality; 2. Describe the general composition of soil and methods of classification of Australian soils; 3. Demonstrate an understanding of the nature of the physical, chemical, and biological properties of soil and their relationship to grape production; 4. Demonstrate an understanding of the role of soil nutrients in the growth and development of grapevines; 5. Demonstrate an understanding of the relationship between grapevine structure and function; 6. Describe the events in the vegetative and reproductive cycles of the grapevine and their relationship to the production process; 7. Demonstrate an understanding of the influence of environmental factors on quality grape and wine production; 8. Apply knowledge of plant reproduction to grapevine propagation methods and evaluate the appropriateness of each method; 9. Identify the major plant pathogens within the vineyard enterprise; 10. Demonstrate a knowledge of the basic chemistry in the wine making process; and

	11. Explain the wine yeasts and their role in the wine making process.
Assessment:	Practical book from Residential School (30%); Assignment 1, (3,000 words - 30%); and Assignments 2, (4,000 words - 40%).
Prescribed Texts:	Dry, P.R. and Coombe, B.G. (eds) (2004) Viticulture. Volume 1: Resources. Winetitles, Adelaide.Coombe, B.G. and Dry, P.R. (eds) (1992) Viticulture. Volume 2: Practices. Winetitles, Adelaide.Rankine, B.(2004) Making Good Wine. Macmillan,Sydney,NSW
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Related Course(s):	Graduate Certificate in Wine Technology and Viticulture Graduate Diploma in Wine Technology and Viticulture Master of Agricultural Science Master of Food Science Master of Urban Horticulture Master of Wine Technology and Viticulture Postgraduate Diploma in Agricultural Science Postgraduate Diploma in Food Science