



The University of Southern Queensland

Course specification

The current and official versions of the course specifications are available on the web at <http://www.usq.edu.au/coursespecification/current>.
Please consult the web for updates that may occur during the year.

Description: Viticultural Principles

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
WIN	2205	91465	2, 2009	EXT	1.00	Toowoomba

Academic group:	FOSCI
Academic org:	FOS002
Student contribution band:	6
ASCED code:	019905

STAFFING

Examiner: Ursula Kennedy
Moderator: Robert Learmonth

REQUISITES

Pre-requisite: BIO2202 and WIN1101

RATIONALE

Viticultural Principles provides an in depth theoretical background to the physiological function of the grapevine. Students build on topics in previous courses and gain greater understanding of the factors influencing vine growth and berry development and ripening of quality fruit. Students also gain insight into current viticulture research trends.

SYNOPSIS

This course exposes students to an in depth understanding of the annual grapevine growth cycle and the importance of this knowledge to vineyard management, the processes of vegetative and reproductive growth and berry flavour and aroma accumulation and the influence of climate on these processes.

OBJECTIVES

On completion of this course students will be able to:

1. identify the major grapevine annual growth cycle (Assignment 1, Exam)
2. explain the process of grapevine vegetative and reproductive growth (Assignment 2, Exam)
3. demonstrate an understanding of the process of berry development and ripening (Assignment 2, Exam)
4. demonstrate knowledge of the major compounds responsible for grape flavour and aroma (Exam)
5. demonstrate awareness of current research areas in viticulture (Exam)

TOPICS

	Description	Weighting (%)
1.	Vine phenology	10.00
2.	Vine vegetative growth	20.00
3.	Primary reproductive growth	10.00
4.	Berry development and ripening	20.00
5.	Grape colour, flavour and aroma compounds	10.00
6.	Climatic and managerial influences on vine growth and fruit quality	20.00
7.	Current trends in viticultural research	10.00

TEXT and MATERIALS required to be PURCHASED or ACCESSED

ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at <http://bookshop.usq.edu.au> click 'Semester', then enter your 'Course Code' (no spaces).

Coombe, BG & Dry, PR 2005, *Viticulture*, 2nd edn, Winetitles, Adelaide, Vol 2.
(Volume 2: Practices ISBN 1 875130 01 2 (v2) - reprinted 2004)

Dry, PR & Coombe, BG 2005, *Viticulture*, 2nd edn, Winetitles, Adelaide, Vol 1.
(Volume 1: Resources ISBN 09756850 07(vi))

REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

The following periodicals may also be of value

The Australian Journal of Grape and Wine Research.

The Australian and New Zealand Wine Industry Journal.

The Australian and New Zealand Grape Grower and Winemaker (Annual Technical Issue).

The American Journal of Enology and Viticulture.

Vitis: Journal of Grapevine Research.

Gladstones, J. 1992, *Viticulture and Environment*, Winetitles, Adelaide.
(ISBN 1875130128)

Mullins, MG, Bouquet, A & Williams, LE 1992, *Biology of the grapevine*, Cambridge University Press, Cambridge.

Smart, R. and Robin, M. 2006, *Sunlight into Wine: A Handbook for Winegrape Canopy Management*, Winetitles, Adelaide.

(ISBN 1875130101)

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Directed Study	80.00
Examinations	2.00
Private Study	83.00

ASSESSMENT DETAILS

Description	Marks out of	Wtg (%)	Due date
ASSIGNMENT 1	20.00	20.00	20 Jul 2009 (see note 1)
ASSIGNMENT 2	20.00	20.00	20 Jul 2009 (see note 2)
2 HOUR CLOSED EXAMINATION	60.00	60.00	END S2 (see note 3)

NOTES

1. Examiner will advise due dates of Assignment 1.
2. Examiner will advise due dates of Assignment 2.
3. The date of the exam will be during the examination period and will become available during the semester. Please check the exam timetable once published.

IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:
It is the students' responsibility to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.
- 2 Requirements for students to complete each assessment item satisfactorily:
To complete each of the assessment items satisfactorily, students must obtain at least 50% of the marks available for each assessment item. (Depending upon the requirements in Statement 4 below, students may not have to satisfactorily complete each assessment item to receive a passing grade in this course).
- 3 Penalties for late submission of required work:
If students submit assignments after the due date without prior approval then a penalty of 5% of the total marks gained by the student for the assignment will apply for each working day late up to ten working days at which time a mark of zero may be recorded. No assignments will be accepted after model answers have been posted.
- 4 Requirements for student to be awarded a passing grade in the course:
To be assured of receiving a passing grade a student must achieve at least 50% of the total weighted marks available for the course.
- 5 Method used to combine assessment results to attain final grade:
The final grades for students will be assigned on the basis of the aggregate of the weighted marks obtained for each of the summative assessment items in the course.

- 6 Examination information:
In a Closed Examination, candidates are allowed to bring only writing and drawing instruments into the examination.
- 7 Examination period when Deferred/Supplementary examinations will be held:
Any Deferred or Supplementary examinations for this course will be held during the next examination period.
- 8 University Regulations:
Students should read USQ Regulations 5.1 Definitions, 5.6. Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL <http://www.usq.edu.au/corporateservices/calendar/part5.htm> or in the current USQ Handbook.

ASSESSMENT NOTES

- 9 The due date for an assignment is the date by which a student must despatch the assignment to the USQ. The onus is on the student to provide proof of the despatch date, if requested by the Examiner. Students must retain a copy of each item submitted for assessment. If requested by the Examiner, students will be required to provide a copy of the assignments submitted for assessment purposes. Such copies should be despatched to USQ within 24 hours of receipt of a request being received. The examiner of a course may grant an extension of the due date of an assignment in extenuating circumstances.