



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: Building Professional Nursing Attributes B

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
MAT	1008	86966	1, 2009	ONC	0.50	Toowoomba

<b>Academic group:</b>	FOSCI
<b>Academic org:</b>	FOS003
<b>Student contribution band:</b>	National Priority Nursing
<b>ASCED code:</b>	060301

### STAFFING

Examiner: Christine McDonald  
Moderator: Birgit Loch

### REQUISITES

Pre-Requisite: Students must be enrolled in the following program: BNUR Co-Requisite: CMS1008

### RATIONALE

Students entering the nursing profession need to have adequate levels of academic numeracy, including calculations for medication and interpretation and processing of numerical data associated with the health status of their patients. In addition, they need to have adequate skills in the use of computers, including an understanding of how health data is entered and managed, and how computers can be used in diverse ways to support the processes of health care. This course aims to ensure that students have these requisite skills.

### SYNOPSIS

This course provides nursing students with a sound understanding of numeracy and its diverse use in the health profession, including the use of numbers for measuring medications and rates of delivery. The students are also expected: to understand the concepts of ratio and proportion and the use of units; to be able to reliably carry out calculations for medical purposes; and to interpret charts and tables. Students will also be expected to understand the basic structure of computers and the internet, to have good word processing skills, including referencing. They will learn basic spreadsheet skills, create and interpret charts and learn how to create flow charts, diagrams and presentations. The course will be closely linked to CMS1008 and other courses in the first year nursing program.

### OBJECTIVES

On completion of this course students will be able to:

1. carry out calculations for medical purposes with accuracy and speed, both with a calculator and without one; and reflect on the professional necessity for reliably calculating such quantities; (Assignments 1, 5, Quizzes 1, 2)
2. perform calculations using rates, ratios, percentages, averages, change and be able to apply these concepts in a nursing context; (Assignments 1, 5 Quizzes 1, 4, 5, 6, 7)
3. perform calculations using units of measurement and scientific notation as they apply in a nursing context; (Assignments 1, 5, Quizzes 1, 5)
4. interpret charts of medical information; (Assignment 3, Quizzes 1, 3)
5. use emails, internet search, short cuts, use basic functions of a computer (Assignments 1, 2)
6. create flowcharts and diagrams and effective presentations; (Assignment 4)
7. retrieve and process medical data from computers or networks; (Assignment 3)
8. have word processing skills suitable for producing high quality assignments and reports. (Assignments 2, 3)

## TOPICS

Description	Weighting (%)
1. Arithmetic and medical calculations	15.00
2. Rates, ratios, percentages, averages and change	15.00
3. Units of measurement, and scientific notation	10.00
4. Interpret charts and tables	10.00
5. Emails, internet search and shortcuts	10.00
6. Word processing, referencing	10.00
7. Understand the use of computers, networks, file management	10.00
8. Presentations, flow charts, diagrams	10.00
9. Understanding drug calculation problems	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).

There is no set textbook for this course. Students are required to have access to the course website, which will contain all study material.

Students should purchase from the bookshop: Introductory Book for MAT1008: 2008, USQ, Toowoomba; or alternatively print off this Introductory Book from the course website.

The course website also provides the study material, which can be purchased in print and on CD from the bookshop or printed by the student.

## 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.

## STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Private Study	56.00
Tutorials or Workshops	26.00

## ASSESSMENT DETAILS

Description	Marks out of	Wtg (%)	Due date
ASSIGNMENT 1	14.00	14.00	16 Mar 2009
ASSIGNMENT 2	13.00	13.00	30 Mar 2009
CMA 1	3.00	3.00	06 Apr 2009
ASSIGNMENT 3	20.00	20.00	20 Apr 2009
CMA 2	3.00	3.00	27 Apr 2009
CMA 3	3.00	3.00	04 May 2009
ASSIGNMENT 4	20.00	20.00	11 May 2009
CMA 4	3.00	3.00	18 May 2009
CMA 5	3.00	3.00	25 May 2009
ASSIGNMENT 5	15.00	15.00	01 Jun 2009
CMA 6	3.00	3.00	01 Jun 2009

## IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:  
It is the students' responsibility to attend and participate appropriately in all activities (such as lectures, tutorials, laboratories and practical work) scheduled for them, and 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. To maximise their chances of satisfying the objectives of the practical component of the course, students should attend and actively participate in the laboratory sessions in the course.
- 2 Requirements for students to complete each assessment item satisfactorily:  
To satisfactorily complete an individual assessment item a student must achieve at least 50% of the marks. (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 of the examiner then a penalty of 5% of the total marks gained by the student for the assignment may apply for each working day late up to ten working days at which time a mark of zero may be recorded.

- 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 / grades obtained for each of the summative assessment items in the course.
- 6 Examination information:  
There is no examination in this course.
- 7 Examination period when Deferred/Supplementary examinations will be held:  
As there are no examinations in this course, there will be no deferred or supplementary examinations
- 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>.

## **ASSESSMENT NOTES**

- 9 Students will require access to e-mail and have internet access to USQConnect for this course.
- 10 Students who do not qualify for a Passing grade may, at the discretion of the Examiner, be assigned additional work to demonstrate to the Examiner that they have achieved the required standard. It is expected that such students will have gained at least 45% of the total marks available for all summative assessment items.

## **OTHER REQUIREMENTS**

- 1 Students will require access to a computer, e-mail, internet and to USQConnect for this Course, if they decide to complete course work from home.
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