

## FSTU 3913 Nursing Maths

### Weekly outline - assessment events and topic schedule semester 1 2022

Week	Date	Topic	Assessment event	
			Due date	Value
1	28 Feb-4 Mar	Introduction, diagnostics <b>TOPIC 1: CALCULATIONS &amp; ESTIMATIONS:</b> Whole number calculations & strategies, rounding, multiplication, multiplication estimation, applications, dividing by numbers with zeros		
2	7-11 March	division estimation, algorithm, applications, <b>begin Assignment 1 (Language of prescriptions and drug labels) LNAAT</b> , integers, powers, order of operations	<b>Start Assignment 1 in class Lesson 2</b>	
3	14-18 March	Order of operations, decimals: place value, ordering, rounding, addition, subtraction, decimal multiplication, applications, division of decimals by whole numbers, <b>Course evaluation</b>	<b>Assignment 1 due:</b>	<b>5%</b>
4	21-25 March	Multiplication and division by powers of 10, division of decimals by decimals, estimation by rounding and dividing, applications <b>Topic 1 revision</b>	<b>Moodle Quiz 1 due:</b>	<b>1%</b>
5	28 March-1 April	<b>Topic Test 1</b> <b>TOPIC 2: MEASUREMENT, FRACTIONS, PERCENTAGES:</b> Metric units & conversions, reading scales, calculate time	<b>Test 1 Lesson 1 date:</b>	<b>20%</b>
6	4 Apr – 8 Apr	more conversions, reading scales practical tasks Fractions introduction, <b>Begin Assignment 2 (measurement tasks) in class</b> fractions - ordering and comparing, equivalent fractions, simplifying	<b>Moodle quiz 2 due: Start assignment 2</b>	<b>1%</b>
7	11 Apr – 14 Apr (Easter public holidays 15 Apr)	fraction operations -addition & subtraction, fractions of an amount, multiplication of fractions by whole numbers and by fractions	<b>Assignment 2 due:</b>	<b>5%</b>
<b>Study Break April 19<sup>th</sup> – April 30<sup>th</sup></b>				
8	2 May – 6 May	Change fractions to decimals, decimals to fractions, understand percentages, and link to fractions and decimals, ordering fractions decimals percentages <b>Course evaluations</b>		
9	10 May – 14 May	More fractions decimals and percentages, calculate percentages 25%,10%, 5 % 1% etc, find percentage increase and decrease, writing a proportion as a percentage		
10	16 May – 20 May	Percentages applications, <b>Topic 2 revision, Topic 2 Test</b>	<b>Moodle Quiz 3 due:</b> <b>Test 2 Date:</b>	<b>1%</b> <b>25%</b>
11	23 May – 27 May	<b>TOPIC 3: TABLES GRAPHS AND STATISTICS</b> Intro to reading tables. Reading tables and graphs, Summary statistics		
12	30 May – 3 June	<b>Begin Assignment 3 (Graphs and Data) in class</b> <b>TOPIC 4 RATIOS &amp; DRUG CALCULATIONS:</b> Tablet calculations ratios, sharing in a given ratio, find unknown quantity in a ratio	<b>Assignment 3 Start in class</b>	
13	7 Jun – 10 Jun (holiday 6 June)	drug calculations intro Oral Drug calculations mg/mL & dosages for injection, dosage applications,	<b>Assignment 3 due:</b>	<b>5%</b>
14	14 Jun – 18 Jun	doses by weight, divided doses, <b>Begin Assignment 4 (Nursing Applications) in class</b> Infusion rates basics, flow rates mL/hr, infusion rate changes, <b>LNAAT</b>	<b>Quiz 4 due</b> <b>Start Assignment 4</b>	<b>1%</b>
15	20 Jun – 23 Jun (holiday 24 Jun)	Infusion rate flow rates in drops/min, understanding drop factor, & applications <b>Course evaluations</b>	<b>Quiz 5 due: Assign. 4 due:</b>	<b>1%</b> <b>5%</b>
16	27 Jun – 1 Jul	<b>Revision topic 4, Topic 4 test</b>	<b>Test 3 (Topic4) date:</b>	<b>30%</b>
17	4 Jul – 5 Jul	Resits if applicable		

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## Assessment Information

Assessments will be carried out in class where feasible, or online during Covid -19 restrictions.

If you need to miss an assessment date, it is vital that you are in communication as you may be required to complete this at the same time as the class. **If you are unable to attend a test or meet an assignment due date, then you MUST apply to your lecturer for an extension by email on or before the due date.**

Assessments are listed in the table below.

You can copy the table below to keep track of your marks if you wish.

(Marks will also be available on Moodle.)

<b>My results</b>			
<b>Assessment</b>	<b>Maximum</b>	<b>My Result</b>	<b>Resit test (if needed)</b>
Moodle Quiz 1 Rounding	(1%)		
Moodle Quiz 2 Measurement conversions	(1%)		
Moodle Quiz 3 Fractions decimals and percentages	(1%)		
Moodle Quiz 4 Ratios, tablet and drug calculations	(1%)		
Moodle Quiz 5 Drug calculations and infusions	(1%)		
<b>Moodle Quiz Portfolio total</b>	<b>5%</b>		
<b>Assignment One</b>			
The Language of Drug Prescriptions	(5%)		
<b>Assignment Two</b>			
Practical Measurement	(5%)		
<b>Assignment Three</b>			
Graphs and Data Tables	(5%)		
<b>Assignment Four</b>			
Nursing Applications	(5%)		
<b>Assignment Portfolio Total</b>	<b>20%</b>		
<b>Test One</b>			
Calculations and Estimations	<b>20%</b>		
<b>Test Two</b>			
Measurement, Fractions and Percentages	<b>25%</b>		
<b>Test Three</b>			
Ratios & Drug Calculations, infusions	<b>30%</b>		
<b>Course Total</b>	<b>100%</b>		

**Topic tests** assess your understanding of the work completed in each Topic.

**Assignments** assess the development of your mathematical skills and thinking. You will have some class time to work on these. You will be expected to work collaboratively with a group of 2-3 students. You will then have time to complete them at home. Assignments will also require you to explain your mathematical understanding in words rather than just calculate answers.

**Moodle Quizzes** are designed to help reinforce recent learning. You will have one opportunity to redo any incorrect answers before submitting your attempt.

**Resits:** If you gain less than 50% in a test there will be one opportunity to resit a version of the test in week 16 or 17 of the semester. The maximum mark you can gain in a test resit is 50%.

## Final Course Grades

The following tables indicate the grades that can be awarded:

### Achievement-based (11-point) Assessment Grade Distribution

Grade	Meaning	Result	Percentage
A+	Distinction	Credits Earned	90 – 100
A	Distinction	Credits Earned	85 – 89
A-	Distinction	Credits Earned	80 – 84
B+	Merit	Credits Earned	75 – 79
B	Merit	Credits Earned	70 – 74
B-	Merit	Credits Earned	65 – 69
C+	Pass	Credits Earned	60 – 64
C	Pass	Credits Earned	55 – 59
C-	Pass	Credits Earned	50 – 54
D	Fail	No Credits Earned	40 – 49
E	Fail	No Credits Earned	0 – 39

Grade	Meaning	Criteria
CR	Credit Recognition	The student has applied for and been awarded a credit recognition from another qualification
CTG	Continuing	The course runs for more than one semester and the final Summative Assessment has not yet occurred. No credits earned
DEF	Deferred	The student has approval to complete a course assessment beyond the scheduled date. Unless an exception has been approved, any deferred grade remaining on a student's record beyond a duration equal to that of the original course will be changed to the grade to which the Student would otherwise be entitled. No credits earned.
DNC	Did not Complete	The grade DNC (Did Not Complete) is recorded if a student has either withdrawn after 75% of the scheduled course duration; or not attempted a compulsory item of assessment within a Course. No credits earned.
R	Restricted Pass	The student has been awarded a restricted pass subject to the relevant clause in this schedule. Credits earned.
W	Withdrawn	The student withdraws from a course after 10% of the scheduled course duration and up to, or at, the date at which 75% of the scheduled course has passed. No credits earned.