Mathematics, Science and IT Academy

Erindale College

UNIT OUTLINE

Semester: 1 **Year: 2020** **Accreditation: M** **Timetable Period: Line 4 and 5**

Classroom Teacher: Renee Couto **Executive Teacher: Ruth Edge**

Course Title	Contemporary Mathematics (M)	**Course Code:**	M: 1034
Semester Unit	Unit 1 Contemporary Mathematics (M)	**Unit Value/Code:**	(1.0) 10305
Term Unit (a)	Unit 1a: Contemporary Mathematics (M)	**Unit Value/Code:**	(0.5) 10306
Term Unit (b)	Unit 1b: Contemporary Mathematics (M)	**Unit Value/Code:**	(0.5) 10307

Specific Unit Goals:

- select and interpret mathematical information that may be partly embedded in a range of familiar, and some less familiar tasks and texts
- select from and use a variety of developing mathematical and problem solving strategies in a range of familiar and some less familiar contexts
- use a combination of both informal and formal oral and written mathematical language and representation to communicate mathematically

Content Summary:

Further elaboration on the content of this unit is available at:

http://www.bsss.act.edu.au/__data/assets/word_doc/0016/314251/Contemporary_Mathematics_A-M_17-20.docx

Topic 1: Income and Payroll Maths	Topic 2: Mathematics for Industry and VET
• **Salaries and wages** • **Fulltime, part time and casual rates** • **Timesheets** • **Tax rates and returns** • **Reading pay slips**	• **Estimation** • **Problems solving strategies** • **"In-the-head" calculations** • **With calculators, solve work related calculations**

Cost of Materials: N/A

Assessment:

TASK	DUE DATE	WEIGHTING
Assignment 1	Week 7	25%
Exam 1	Week 9	25 %
Assignment 2	Week 16	25 %
Exam 2	Week 18	25%

SPECIFIC ENTRY & EXIT REQUIREMENTS FOR TERM UNITS:
It is possible to enter this course at Term 2.
To exit at Term 1 you must complete Assignment 1 and Exam 1.

ASSESSMENT CRITERIA FOR ASSESSMENT AND REPORTING OF STUDENT ACHIEVEMENT

Students will be assessed on the degree to which they demonstrate:
Knowledge – knowledge of mathematical facts, techniques and formulae presented in the unit
Application – appropriate selection and application of mathematical skills in mathematical modelling and problem solving
Communication – interpretation and communication of mathematical ideas in a form appropriate for a given use or audience.

Unit Grade Descriptors for M Course

	Knowledge	Application	Communication
A student who achieves the grade **A**	Demonstrates a very high level of proficiency in the use of facts, techniques and formulae.	Selects and applies appropriate techniques to solve practical problems.	Is consistently accurate and appropriate in presentation of mathematical ideas.
A student who achieves the grade **B**	Demonstrates a high level of proficiency in the use of facts, techniques and formulae.	Selects and generally applies appropriate techniques to solve practical problems.	Is generally accurate and appropriate in presentation of mathematical ideas.
A student who achieves the grade **C**	Demonstrates some proficiency in the use of facts, techniques and formulae.	With direction, selects and applies techniques to solve practical problems.	Presents some mathematical ideas.
A student who achieves the grade **D**	Demonstrates limited use of facts, techniques and formulae.	Solves some practical problems.	Presents some mathematical ideas with guidance.
A student who achieves the grade **E**	Demonstrates very limited use of facts, techniques and formulae.	With guidance, solves some practical problems.	Presents some mathematical ideas with guidance.

Attendance and Participation
It is expected that students will attend and participate in all scheduled classes/contact time/structured learning activities for the units in which they are enrolled, unless there is due cause and adequate documentary evidence is provided. Any student whose attendance falls below 90% of the scheduled classes/contact time or 90% participation in structured learning activities in a unit, without having due cause with adequate documentary evidence will be deemed to have voided the unit. However, the principal has the right to exercise discretion in special circumstances if satisfactory documentation is supplied.
Completion of Assessment Items
Students are expected to substantially complete and submit all assessment items. Exemption from an item and/or alternative assessment without penalty is available to students providing adequate documentary evidence. In order to meet the minimum assessment requirements of a unit, a student must substantially complete and submit at least 70% of the total assessment. However, the principal has the right to exercise discretion in the award of a grade or score in special circumstances where satisfactory documentation is supplied.
Late Submission of Assessment Items
Students are encouraged to submit work on time as this is a valuable organisational skill. Students are also encouraged to complete work even if it is late as there are educational benefits in so doing. The following policy is to ensure equity for all students:
• All assessment tasks are expected to be submitted by the specified due date
• Where marks are awarded for assessment tasks, a late penalty will apply unless an extension is granted. The penalty for late submission is 5% of possible marks per calendar day late, including weekends and public holidays, until a notional zero is reached. If an item is more than 7 days late, it receives the notional zero. Submission on weekends or public holidays is not acceptable. Calculation of a notional zero is based on items submitted on time or with an approved extension (Refer to Notional Zeros)
• Where marks are not awarded, and a grade only is given for an assessment task, teachers will take into account the extent to which students have demonstrated their ability to complete and submit the task by the due date (taking into account any extensions granted) in awarding the grade
• Unless there are exceptional circumstances, students must apply for an extension to the specified due date in advance, providing due cause and adequate documentary evidence for late submission
• It may not be possible to grade or score work submitted late after marked work in a unit has been returned to other students
• The principal has the right to exercise discretion in the application of the late penalty in special circumstances where satisfactory documentation has been provided.

Notional Zeros

Where students fail to hand in assessment items for which marks are awarded, they will be awarded a notional zero for that assessment item. The notional zero will be a score, which lies between 0.1 of a standard deviation below the lowest genuine score for that item and zero. Note: if the lowest genuine score is zero, the notional zero is zero.

Cheating and Dishonest Practice

The integrity of the College's assessment system relies upon all involved acting in accordance with the highest standards of honesty and fairness. Plagiarism is the copying, paraphrasing or summarising of work, in any form, without acknowledgement of sources, and presenting this as a student's own work. Examples of plagiarism could include, but are not limited to:

- submitting all or part of another person's work with/without that person's knowledge
- submitting all or part of a paper from a source text without proper acknowledgement
- copying part of another person's work from a source text, supplying proper documentation, but leaving out quotation marks
- submitting materials which paraphrase or summarise another person's work or ideas without appropriate documentation
- submitting a digital image, sound, design, photograph or animation, altered or unaltered, without proper acknowledgement of the source.

Right to Appeal

The ACT system operates a hierarchy of reviews and appeals:

- Student seeks review from teacher regarding assessment task mark/grade, unit score, unit grade, course score
- Student seeks review from head of department, if required following review by teacher
- Student appeals to her/his college principal for a review of college assessment relating to assessment task grade/mark, unit grade, unit score, course score, penalty imposed for breach of discipline in relation to assessment
- Student, who has been through the college appeal process, may appeal to the Board against the college procedures by which the appeal decision was reached.

Executive Teacher: Ruth Edge **Class Teacher: Renee Couto**

FURTHER INFORMATION ON RELEVANT BSSS POLICIES CAN BE FOUND HERE:
http://www.bsss.act.edu.au/__data/assets/pdf_file/0010/313777/P_and_P_Manual_2019_V5.pdf