



Academic Learning Services

TRANSITION MATHEMATICS FOR TERTIARY STUDIES

Are you thinking of undertaking tertiary studies in the future?
How competent are you in mathematics?

CQU CRICOS Provider Codes: Qld – 00219C, NSW – 01315F, Vic 01624D

Transition Mathematics consists of three separate self-paced mathematics bridging courses for people who intend to undertake tertiary studies in the future. It is directed at those needing revision in background mathematics as preparation for degree or associate diploma studies in business, social science, applied science (including health science), computing or engineering. These courses are also suitable for individuals who may wish to update their general mathematics skills.

If you are using these courses to meet prerequisite requirements it is necessary to obtain confirmation of their adequacy before enrollment. These courses may NOT meet prerequisite requirements of all institutions.

The programme of courses is offered by the Mathematics Learning Centre of Central Queensland University. The aim of the courses is to revise and consolidate the basic mathematics considered essential for successful progress in a wide range of tertiary courses which have a mathematics component.

After working through the material of a course and successfully completing the assessment tests students will be issued with a Statement of Completion. An optional formal supervised examination is available on request. Students who complete the supervised examination obtain a Statement of Attainment showing a grade of Fail, Pass, Credit, Distinction or Higher Distinction. These formal examinations are organised at a time and place suitable to the student.

Fundamental Mathematics for Tertiary Studies (FMU)

FMU is a course in elementary mathematics. It is designed to have the student commence work on the foundation concepts, rules and methods of basic mathematics. The main aim of this course is to provide a refresher course in those fundamentals of basic mathematics which are necessary to develop mathematics as a unified body of knowledge.

Some knowledge of arithmetic (adding, subtracting, multiplying and dividing numbers), is assumed although the rules are revised. Topics covered in the course include number types, fractions, decimals, inequalities, percentages, basic algebra, (including rules of precedence, simple factorisation, exponents (indices), scientific notation, linear equations and algebraic manipulation), and coordinate geometry of a straight line and introductory statistics. These are the concepts that form the base for the hierarchical development of mathematics.

The learning package for FMU consists of a Course Outline, textbook, together with module tests, assessments tests and support from teaching staff by telephone, letter, email or fax.

Intermediate Mathematics for Tertiary Studies (IMU)

This preparatory course, IMU, is designed to follow on from a study of introductory mathematical concepts, such as FMU. IMU is complete in itself as a preparatory course for a study of first year tertiary mathematics in business, Bachelor of Learning Management (Mathematics) and biomedical sciences. The course has been developed to give students introductory knowledge of various mathematics topics including standard deviation, probability, absolute value, inequalities, simultaneous equations, quadratic equations, functions, logarithms, trigonometry, financial mathematics and matrices.

The learning package for IMU consists of a Course Outline, textbook together with module tests, assessments tests and support from teaching staff by telephone, letter, email or fax.

Technical Mathematics for Tertiary Studies (TMU)

This course continues on from FMU but is complete in itself as a preparatory course for a study of first year tertiary mathematics in applied science and engineering. Topics covered in TMU include an introduction to functions, trigonometry, vectors, inequalities, analytic geometry, sequences and series, and an introduction to calculus. The emphasis is on graphical representation and interpretation and application of the content to problem solving and mathematical modelling.

The learning package for TMU consists of a Course Outline, the 2 textbooks, Study Guides to support the text, and module and assessment tests. Students also have access by telephone, fax, email or letter from teaching staff for assistance with queries and to provide guidance with course matters.

After working through the material of the course and successfully completing the assessment tests students will be issued with a Statement of Completion. An optional formally supervised examination is available on request. Students who complete the supervised examination obtain a Statement of Attainment showing a grade of Pass, Credit, Distinction or Higher Distinction. These formal examinations are organized at a time and place suitable to the student.

FMU, IMU and TMU are completely flexible, self-paced bridging courses. The length of time needed to complete each course varies considerably according to the previous competencies of the student. A minimum would be 2 months for FMU and IMU and 4 months for TU. Most students would take more like 3 and 6 months respectively. There are also some students who have taken over 2 years to complete TMU - again, individual circumstances eg work and family commitments have a great effect.

International Students

Central Queensland University is a registered provider of quality education to Australian and International students and our programs are offered in accordance with the Australian Government Education Services for Overseas Students (ESOS) Act 2000. Prior to enrolment, it is important that all prospective international students read specific program information, which is available at <http://handbook.cqu.edu.au>.

Candidates are required to provide evidence of sufficient competence in English to undertake this certificate. As a guide, a Test of English as a Foreign Language (TEFOL) score of 550 (computer-based score of 213) or an International English Language Testing System (IELTS) score of 6 with no individual band score of less than 5, is regarded as being an appropriate minimum level.

Detailed information for international students is available from <http://www.international.cqu.edu.au> or contact CQU International Rockhampton: Email: international-enquiries@cqu.edu.au

Disclaimer

This brochure was correct at the time of printing in June 2008. However it is subject to change. Persons intending to act on information contained therein should first check with the University to ascertain whether any later information is available.

Administrative Officer

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Title:		Surname:	
First Name:		Middle name:	
Address:			
City/Town:			Postcode:
Telephone (Day):		Fax:	
Email:			

Order Details

Course	Please Select	Cost per Course*
Fundamental Mathematics for Tertiary Studies	<input type="checkbox"/>	\$350
Intermediate Mathematics for Tertiary Studies	<input type="checkbox"/>	\$350
Technical Mathematics for Tertiary Studies	<input type="checkbox"/>	\$590
	Total	

* Prices valid from 1 January 2012 to 30 December 2012. Where postage is Express or to an overseas address, the postage will be added to this amount. (Will be advised in advance of the amount). Cost in Australian Dollars

Payment Details

I enclose a cheque/money order payable to Central Queensland University <input type="checkbox"/>			
or			
Debit my Credit Card	BANKCARD	<input type="checkbox"/>	Our policy does not allow for refunds once course materials have been delivered
	MASTERCARD	<input type="checkbox"/>	
	VISA	<input type="checkbox"/>	
CARD NUMBER:			
Expiry Date	/	Amount \$	
Card Holders Name			
Signature			
Please forward your completed form to the:		Administrative Officer Mathematics Learning Centre Central Queensland University ROCKHAMPTON QLD 4702	

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