



澳門大學  
UNIVERSIDADE DE MACAU  
UNIVERSITY OF MACAU

## Study Plan

### Minor in Applied Mathematics (AMM18)

Course Code	Course	Credits
MATH1001 / MATB112 or ECEN2008 / ECEB253 or ISOM2005 / QMDS203	Linear Algebra I  Linear Algebra for ECE  Linear Algebra	3
<b>Choose at least <u>two</u> courses from the following courses:</b>		
MATH3000 / MATB310	Ordinary Differential Equations	3
MATH3002 / MATB315	Introduction to Stochastic Process	3
MATH3004 / MATB323	Partial Differential Equations	3
MATH3008 / MATB352	Introduction To Stochastic Calculus	3
MATH3009 / MATB353	Time Series Analysis	3
MATH3010 / MATB354	Applied Linear Algebra	3
MATH3011 / MATB355	Numerical Matrix Analysis	3
MATH3012 / MATB356	Introduction to Computational Intelligence	3
MATH3015 / MATB360	Introduction to Financial Mathematics	3
MATH3016 / MATB412	Fourier and Signal Analysis	3
<b>Any courses from the following courses:</b>		
MATH1002 / MATB122 or MATH2000 / MATB210 or MATH2002 / MATB211	Linear Algebra II  Engineering Mathematics I  Multivariable Calculus	3
MATH2005 / MATB213	Probability	3
MATH2006 / MATB222	Applied Statistics	3
MATH2007 / MATB225	Numerical Analysis	3
MATH2008 / MATB226	Operations Research	3
<b>Minimum Credits</b>		<b>18</b>

#### Remarks:

1. Applicable for students admitted the minor programme from the academic year 2018/2019 onwards.
2. Students with grade C or above in ISOM1004/QMDS105 – Applied Calculus can waive the course pre-requisite requirement to enroll the courses list in the study plan of the minor programme in Applied Mathematics.
3. Students who want to obtain a minor in Applied Mathematics at the Faculty of Science and Technology (FST) must take and pass 6 courses, of which at least 4 courses must be among the courses in the study plan offered by the Department of Mathematics. Course exemption may be granted for at most two courses if equivalent courses are taken. However, course exemption will NOT be considered for the 3<sup>rd</sup> or 4<sup>th</sup> year level courses listed in the study plan.