

Table 1: 100-level subjects

Note that, none of the 100-level heritage subjects will be available after 2008.

Subject number	Subject name	2009			2009 replacement subject	Transition information
		Sum	S1	S2		
620-142	Mathematics B				620-156 Linear Algebra	
620-143	Applied Mathematics				No replacement	There is no direct equivalent in the NG subjects. Students who need this subject are advised to take 620-155 Calculus 2.
620-151	Introduction to Biomedical Maths				Bachelor of Biomedical Science replacement: 620-154 Calculus 1 or 620-155 Calculus 2 depending on Year 12 mathematics background.	
620-152	Introduction to Biomedical Statistics				Bachelor of Biomedical Science replacement: 620-168 Experimental Design & Data Analysis	

Table 2: 200-level subjects

The current 200-level subjects 620-201, 620-202, 620-205 and 620-231 are continuing as new generation degree subjects.
 The current 200-level subjects 620-252, 620-232 and 620-272 will be available in 2009.
 Some current 200-level subjects will be replaced by new generation 300-level subjects.
 New generation 300-level subjects have not been assigned subject numbers and are simply referred to as NG-3xx.

Subject number	Subject name	2009			2010			2009 replacement subject	Transition information
		Sum	S1	S2	Sum	S1	S2		
620-201	Probability		x			x			
620-202	Statistics			x			x		
620-205	Probability for Statistics		x			x			
620-221	Real and Complex Analysis						620-252 Analysis	There is no direct equivalent in the NG subjects. The replacement subject is a standard level subject.	
620-222	Linear and Abstract Algebra						620-297 Group Theory and Linear Algebra		
620-231	Vector Analysis		x	x		x	x	Subject name has changed to Vector Calculus in 2009.	
620-232	Mathematical Methods			x				No equivalent subject after 2009.	
620-233	Vector Analysis (Advanced)						620-231 Vector Calculus	There is no equivalent in the NG subjects. The replacement subject is a standard level subject.	
620-234	Mathematical Methods (Advanced)						620-232 Mathematical Methods	There is no equivalent in the NG subjects. The replacement subject is a standard level subject.	
620-252	Analysis		x					Note that the semester of offer has changed to semester 1 in 2009.	
620-261	Introduction to Operations Research						620-290 Discrete Maths & Operations Research		
620-262	Decision Making							No replacement in 2009. Replacement subject in 2010: NG-3xx Decision Making	
620-270	Applied Statistics						620-298 Data Analysis 2		
620-272	Applied Statistics for Optometrists			x			x	Last intake for B.Optomety students is 2009. 620-272 discontinued after 2010.	

Table 3: 300-level subjects

All current 300-level subjects will be offered in 2009.

Of the current 300-level subjects, only 620-331, 620-351 and 620-370 will be available after 2009.

New generation 300-level subjects have not been assigned subject numbers and are simply referred to as NG-3xx.

Subject number	Subject name	2009			2010			2010 availability or 2010 replacement subject
		Sum	S1	S2	Sum	S1	S2	
620-301	Stochastic Modelling		x					NG-3xx Stochastic Modelling
620-302	Chance and Options Pricing			x				No replacement after 2009
620-311	Metric Spaces		x					NG-3xx Metric and Hilbert Spaces
620-312	Linear Analysis			x				No replacement after 2009
620-321	Algebra		x					NG-3xx Algebra
620-322	Topology			x				No replacement after 2009. However, students can take NG-3xx Geometry instead of 620-322.
620-331	Applied Partial Differential Equations		x			x		No replacement after 2010
620-332	Integral Transforms & Asymptotics			x				No replacement after 2009
620-342	Industrial & Applied Mathematics			x				No replacement after 2009
620-351	Number Theory			x			x	No replacement after 2010
620-352	Graph Theory		x					NG-3xx Graph Theory
620-353	Discrete Mathematics			x				NG-3xx Discrete Mathematics
620-361	Operations Research: Techniques		x					NG-3xx Techniques in Operations Research
620-362	Applied Operations Research			x				No replacement after 2009
620-370	Statistics for Mechanical Engineers			x			x	For B.E.(Mechanical)
620-371	Linear Models		x					NG-3xx Linear Statistical Models
620-372	Applied Statistical Inference			x				NG-3xx Modern Applied Statistics
620-374	Sampling and Forecasting			x				No replacement after 2009
620-381	Computational Mathematics		x					NG-3xx Numerical and Symbolic Mathematics