

**Course Plans for 200-level students intending to pursue a major in physics
Suggested plans listed for different 100-level maths background**

640-2xx	\First Year Maths Options Taken:			Maths 111/121/141+112/122/142#			Maths 111/121/141+112/122/142+113/123/143#		
Semester	Code	Subject Name	Points	Option 1	Option 2	Min phys/maths	Option 1	Min. phys/maths	Overload†
1	640-223/243*	Quantum Mechanics and Thermal Physics	12.5	12.5	12.5	12.5	12.5	12.5	12.5
1	640-237	Astrophysics and Optics II	12.5	12.5	12.5		12.5		12.5
1	640-251	Electronics and Instrumentation	12.5	12.5			12.5		12.5
1	620-143/123/113	Applied Mathematics**	12.5	12.5	12.5	12.5			
1	620-231/3	Vector Analysis	12.5		12.5		12.5	12.5	12.5
1	620-221	Real and Complex Analysis	12.5						12.5
1		Other subjects				25		25	
2	640-225/245*	Electromagnetism and Relativity	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2	640-234	Further classical and quantum mechanics	12.5		12.5		12.5		12.5
2	640-299*	Laboratory	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2	620-231/3	Vector Analysis	12.5	12.5		12.5			
2	620-232/4	Mathematical methods	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2	620-222	Linear and Abstract Algebra	12.5						12.5
2		Other subjects						12.5	
Total points for year				100	100	100	100	100	125

These course plans assume the given mathematics subjects or equivalent have been completed

*These are core subjects and must be completed to continue to a physics major

**Note that 620-143 is offered during the summer

†Possible 2nd year courses for advanced mathematical route to physics honours