

## Advanced Higher Mathematics Of Mechanics Course Outline

Change Of Timetable	
June (4 weeks)	Motion in a Straight Line Vectors associated with Motion
Summer Holidays	
Aug – Oct (7½ weeks)	Vectors associated with Motion Projectiles Forces and Newtons Laws
October Holidays	
Oct – Dec (8 weeks)	Momentum, Impulse, Power, Work and Energy Circular Motion Simple Harmonic Motion Centre Of Mass
Christmas Holidays	
Jan – Feb (4 weeks)	Expansion of Expressions and Partial Fractions Differentiation of Functions
Prelims	
Feb – Mar (7 weeks)	Integration Techniques Solving Differential Equations
Easter Holidays	
Apr (2½ weeks)	Course revision