

<b>Week</b>	<b>Topics</b>
Week 1	<b>Conic Sections: Parabola</b>
Week 2	<b>Conic Sections: Ellipse - Hyperbola</b>
Week 3	<b>Matrices and Determinants: Matrices</b>
Week 4	<b>Matrices and Determinants : Determinants</b>
Week 5	<b>Systems of Linear Equations: Cramer's Rule - Gauss Elimination Method – Gauss-Jordan Method</b>
Week 6	<b>Integration: Indefinite integral - Integration by substitution</b>
Week 7	<b>Integration: Integration by parts - Integration of rational functions</b>
Week 8	<b>Applications of integration : Area</b>
Week 9	<b>Applications of integration : Volume (Disk or washer method)</b>
Week 10	<b>Applications of integration : Volume (Cylindrical shells method)</b>
Week 11	<b>Partial derivatives: Functions of several variables - Partial derivatives</b>
Week 12	<b>Partial derivatives: Chain Rules - Implicit differentiation</b>
Week 13	<b>Differential equations : Definition of a differential equation - Separable differential equations</b>
Week 14	<b>Differential equations : First-order linear differential equations</b>
Week 15	<b>Revision.</b>

\*\*\*\*\*Best Wishes for a Pleasant Semester\*\*\*\*\*