1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Conic sections, parabola, ellipse and hyperbola, second degree equation.	3	15
Integrations, methods of integration (by substitution, by parts, integrations involving quadratic expressions, integration by partial fractions).	3	15
Applications of integration: area, volume of revolution, washer method and cylindrical shells.	2	10
Polar coordinates areas of polar regions.	1	5
Matrices, linear equations, solution of linear equations, Gauss elimination method, determinants, Crammer's rule.	3	15
Functions of several variables, partial differentiation, chain rule, implicit differentiation.	2	10
Ordinary differential equations, separable differential equations, first ordinary linear differential equations.	1	5

5. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	First midterm exam	9	25%
2	Second midterm exam	13	25%
3	Final exam	16	40%
4	Quizzes	Every three weeks	10%