

Calc III Sections 5&7 Schedule				
Date		Notes	Topic	Textbook Section
Tuesday	1/19/2016	First day of class	Polar coordinates, conic sections	10.3, 10.5, 10.6
Thursday	1/21/2016		three dimensional coordinate systems, vectors	12.1,12.2
Tuesday	1/26/2016		the dot product	12.3
Thursday	1/28/2016		the cross product	12.4
Friday	1/29/2016	End of change of program perio	---	---
Tuesday	2/2/2016		Equations of lines and planes	12.5
Thursday	2/4/2016		Cylinders and quadric surfaces	12.6
Tuesday	2/9/2016		vector functions, space curves, derivatives and integrals	10.1, 10.2, 13.1, 13.2
Thursday	2/11/2016		arc length and curvature	13.3
Tuesday	2/16/2016		Review	---
Thursday	2/18/2016	Midterm 1	Midterm 1	---
Tuesday	2/23/2016	Last day to drop class	motion in space: velocity and acceleration	13.4
Thursday	2/25/2016		functions of several variables	14.1
Tuesday	3/1/2016		limits and continuity	14.2
Thursday	3/3/2016		partial derivatives	14.3
Monday	3/7/2016	University midterm date	---	---
Tuesday	3/8/2016		tangent spaces and linear approximations	14.4
Thursday	3/10/2016		the chain rule	14.5
Tuesday	3/15/2016	Spring Recess	---	---
Thursday	3/17/2016	Spring Recess	---	---
Tuesday	3/22/2016		directional derivatives and the gradient vector	14.6
Thursday	3/24/2016	Last day to pass/fail	maximum and minimum values	14.7
Tuesday	3/29/2016		Review	---
Thursday	3/31/2016	Midterm 2	Midterm 2	---
Tuesday	4/5/2016		maximum and minimum with boundary	14.7
Thursday	4/7/2016		newton's method / gradient descent	
Tuesday	4/12/2016		lagrange multipliers	14.8
Thursday	4/14/2016		more lagrange multipliers	14.8
Tuesday	4/19/2016		Complex numbers	Appendix H

Thursday	4/21/2016		Special topics, TBD	
Tuesday	4/26/2016		Special topics, TBD	
Thursday	4/28/2016		Final review	---
Monday	5/2/2016	Last day of classes	---	---