

Ma 213 Teaching schedule (Estimated). This will be changed as needed.

Note that the exam dates have changed.

WHS

A0 9/1

**Vectors**

W 8/27	§12.1-12.2	Three dimensional coordinate systems, Vectors	A1 9/3
F 8/29	§12.3,4	The dot product, The cross product	A2 9/5
M 9/1		Labor Day	
W 9/3	§12.4	Cross product continued (last day to add course)	
F 9/5	§12.5	Equations of lines and planes	A3 9/10
M 9/8	§12.6	Cylinders and quadric surfaces	A4 9/15
W 9/10	§10.3-10.4	Review of polar coordinates	
F 9/12	§15.7-15.8	Cylindrical and spherical coordinates (only)	
M 9/15	§13.1	Vector functions and space curves	A5 9/19
W 9/17	§13.2-§13.3	Derivatives and integrals of vector functions, Arc length	
F 9/19		Review	
M 9/22		Review	
W 9/24		<b>Exam I (Evening)</b>	

**Partial Derivatives and Chain Rule**

W 9/24	§13.3	Curvature	B1 9/30
F 9/26	§13.4	Motion in space	
M 9/29	§14.1	Functions of several variables	B2 10/2
W 10/1	§14.2	Limits and continuity	
F 10/3	§14.3	Partial derivatives,	B3 10/4
M 10/6	§14.4	Tangent planes and linear approximations	B4 10/10
W 10/8	§14.5	The chain rule	
F 10/10	§14.6	Directional derivatives and the gradient	B5 10/13
M 10/13		Review	
W 10/15		<b>Exam II (Evening)</b>	

**Multiple Integrals**

W 10/15	§14.7	Maxima and minima	C1 10/17
F 10/17	§15.1	Double integrals over rectangles	C2 10/23

M 10/20	§15.2	Iterated integrals (midterm)	
W 10/22	§15.3	Double integrals over general regions	C3 10/28
F 10/24	§15.4	Double integrals in polar coordinates (midterm grades due)	
M 10/27	§15.5	Applications of double integrals	C4 10/31
W 10/29	§16.6	Surface area (p. 1074-1081)	
F 10/31	§15.6	Triple integrals	
M 11/3	§15.7	Triple integrals in cylindrical coordinates	C5 11/8
W 11/5	§15.8	Triple integrals in spherical coordinates	
F 11/7	§15.8	(Continued) (Last day to withdraw or reduce load)	
M 11/10		Review	
<b>W 11/12</b>		<b>Exam III (Evening)</b>	

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### Line integrals and Green's theorem

W 11/12	§16.1	Vector fields	D1 11/22
F 11/14	§16.2	Line integrals	
M 11/17	§16.2	(Continued)	
W 11/19	§16.3	Fundamental theorem for line integrals	D2 12/5
F 11/21	§16.3	(Continued)	
M 11/24	§16.4	Green's theorem	
W 11/25 --		Thanksgiving Break	
M 12/1	§16.4	Green's theorem	
W 12/3	§16.5	Curl and divergence	
F 12/5	§16.6/7/8	Surface areas, Stokes' Theorem	
M 12/8	§16.6/7/8	(Continued)	
W 12/10		Review	
F 12/12		Review	
<b>Finals week</b>		<b>Final exam date to be decided</b>	