

All access to NDSU computers must respect NDSU Senate Policy, section 158: Acceptable use of Electronic Communication Devices <http://www.ndsu.nodak.edu/policy/158.htm>

Any students with disabilities or other special needs, who need special accommodations in this course are invited to share concerns or requests with the instructor and to contact the Disability Services Office as soon as possible.

Preliminary Schedule

Dates	Topic(s)	Chapter(s)
Jan. 9-11	Vector Calculus	10
Jan. 16-18	Vector Calculus; Line, Surface, and Volume Integrals	10, 11
Jan. 23-25	Vector Calculus; Line, Surface, and Volume Integrals	11
Jan. 30-Feb. 1	Fourier Series and Integral Transforms	12, 13
Feb. 6-8	Integral Transforms; Ordinary Differential Equations (ODEs)	13, 14
Feb. 13-15	Ordinary Differential Equations (ODEs)	14, 15
Feb. 22	Midterm Exam 1	10–13
Feb. 27-March 1	Series Solutions of ODEs	16
March 5-9	APS March Meeting (no classes)	
March 12-16	Spring Break (no classes)	
March 20-22	Eigenfunction Methods for Differential Equations	17
March 27-29	Partial Differential Equations (PDEs)	20
April 3-5	PDEs: Separation of Variables, Green Functions	21
April 10	Midterm Exam 2	14–17
April 17	Calculus of Variations	22
April 19	Calculus of Variations and Applications	22
April 24	Integral Equations and Applications	23
April 26	Tensors and Applications	26
May 1-3	Tensors and Applications	26
May 10	Final Exam: 3:30-5:30 p.m.	20–26

Homework Schedule

Homework	Date Assigned/Date Due	Chapters
1	Jan. 9/Jan. 23	10
2	Jan. 23/Feb. 1	11, 12
3	Feb. 1/Feb. 13	12, 13
4	Feb. 13/March 1	14, 15
5	March 1/20	16, 17
6	March 20/April 3	20, 21
7	April 3/April 17	21, 22
8	April 17/May 1	23, 26