

# GIS2 - GEO363 - Intermediate Geographic Information Systems

with Dr. Drzyzga, Spring 2019

Week	Date	Required reading	Topic or technique
one	Jan. 21		<i>MLK Day - university is closed</i>
	Jan. 23	Kimmerling, Foreward; Bolstad Ch 1, p1-14	Introductions and start the Sand Table Project
two	Jan. 28	Bolstad Ch 2, 29-32, 39-40; Ch 12, 519-524	The Vector and Raster approaches to spatial modeling
	Jan. 30	Bolstad Ch 2, 40-53, 69-72	The Vector and Raster approaches to spatial modeling
three	Feb. 04	Bolstad Ch 12. 524-533	In-class exercise
	Feb. 06	Kimerling, Introduction-xxviii	<b>(Lab 01 is due)</b> Interpolation: Point-to-point methods
four	Feb. 11	Bolstad Ch 2, 54-62 and 63; Ch 9, 373-375	In-class exercise
	Feb. 13	Bolstad Ch 9, 380-382;	Interpolation: Point-to-surface methods
five	Feb. 18	Bolstad Ch 10. p443-454, p460-468	<b>(Lab 02 is due)</b> Map algebra & Moving window operations
	Feb. 20	Bolstad Ch 11. p483-507	Terrain analysis & Derivative surfaces
six	Feb. 25	Kimerling Ch6. p101-117, p121-124	In-class exercise
	Feb. 27	Kimerling Ch 16. p347-349, p355-357	<b>(Lab 03 is due)</b> Finish the unit and debrief
seven	<b>Mar. 04</b>		<b>Exam 01</b>
	Mar. 06		Review exam, 1st half
eight	Mar. 11		<i>Spring Break from classes, but not your courses.</i>
	Mar. 13		
nine	Mar. 18	Kimerling, Ch1; Bolstad, Ch 3. p85-94	Spatial Reference Systems
	Mar. 20	Bolstad Ch 3. p95-104	Geographic datums and time
ten	Mar. 25	Kimerling Ch 4, p63-68; Ch 2, p23-25	Well-known planar coordinate systems.
	Mar. 27		<i>PA Geospatial Coordinating Board meeting</i>
eleven	Apr. 01	Bolstad Ch 3. p116-134 and p684	Coordinate projection methods (map projections)
	Apr. 03	Kimerling Ch 3. p35-45 and 53-54	<b>(Lab 04 is due)</b> Finish map projections
twelve	Apr. 08		Finish the unit and debrief
	Apr. 10		<b>Exam 02</b>
thirteen	Apr. 15		Review exam, 1st half; Begin next unit, 2nd half
	Apr. 17		The Big GIS Project
fourteen	Apr. 22	Bolstad Ch 7. p303-327	<b>(Lab 05 is due)</b> Data collection and project preparation
	Apr. 24	Kilmerling, Appendices A and C	in-class exercise
fifteen	Apr. 29	Bolstad Ch 9. 378-405	<b>(Lab 06 is due)</b> Data analysis and interpretation
	May. 01	Bolstad Ch 9. p405-419	in-class exercise
sixteen	May. 06		Finish - <b>(Lab 07 is due by 5 PM.)</b>
	May. 08		