

EPI694 - GIS & PUBLIC HEALTH - SCHEDULE SPRING 2006 (REVISED 2/27/2006)

Class	Date	Topic	Instructor	Due
Class 1	Tuesday, January 24	Introduction, syllabus, history of mapping and GIS	Staff/Boscoe	Ch. 1
Lab 1	Thursday, January 26	Lab 1: Creating thematic maps (EpiMap)	Zdeb	
Class 2	Tuesday, January 31	Cartographic design principles	Boscoe	
Lab 1	Thursday, February 02	Lab 1: Creating thematic maps (EpiMap)	Zdeb	Ch. 4
Class 3	Tuesday, February 07	Basic GIS concepts, characteristics of spatial data	Boscoe	Ch. 2
Lab 2	Thursday, February 09	Lab 2: Basics of GIS (MapInfo)	Boscoe	Lab 1 due
Class 4	Tuesday, February 14	Sources of data; data quality	Johnson	Ch. 3
Lab 2	Thursday, February 16	Lab 2: Basics of GIS (ArcGIS)	Boscoe	
		WINTER BREAK		
Class 5	Tuesday, February 28	Data smoothing and cluster detection	Johnson/Talbot	Ch. 5
Lab 2	Thursday, March 02	Lab 2: Conclusion	Boscoe	Lab 2 due
Lab 3	Tuesday, March 07	Lab 3: Data smoothing and cluster detection	Johnson/Talbot	
Class 6	Thursday, March 09	Guest speaker - Jerry Fagliano, New Jersey Department of Health - GIS and Environmental Health		Ch. 6
Lab 3	Tuesday, March 14	Lab 3: Data smoothing and cluster detection	Johnson/Talbot	
Class 7	Tuesday, March 21	Geocoding	Talbot	
Lab 4	Thursday, March 23	Lab 4: Geocoding	Talbot	Lab 3 due
Class 8	Tuesday, March 28	Midterm/discuss final projects		
Lab 4	Thursday, March 30	Lab 4: Geocoding	Talbot	
Class 9	Tuesday, April 04	Guest speaker - Reid Ewing, National Center for Smart Growth, University of Maryland - Obesity and the Built Environment		
Lab 5	Thursday, April 06	Lab 5: Remote sensing and image analysis	Johnson	Lab 4 due
		SPRING BREAK		
Class 10	Tuesday, April 18	GIS and Vector-Borne Disease	Recuenco	Ch. 7,8
Lab 5	Thursday, April 20	Lab 5: Remote sensing and image analysis	Johnson	
	Tuesday, April 25	GIS and Health Services	Boscoe	Ch. 9, 10
Lab 6	Thursday, April 27	Lab 6: GPS (outdoors)	Zdeb	Lab 5 due
	Tuesday, May 02	Final project presentations	Staff	
	Thursday, May 04	Final project presentations	Staff	
	Tuesday, May 09	GIS Day (SPH Auditorium)	Staff	Lab 6 due
	Exam period	GIS Day Discussion/Final project presentations	Staff	

In the event of a snow day, Lab 6 will be compressed into a single day, and all other lectures/labs will be retained.

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GRADING	Labs 10% each			
	Midterm quiz 10%			
	Final project 30%			
TEXT	GIS and Public Health			
	Ellen K Cromley, Sara L McLafferty			
	Guilford Press, 2002			
	(available at Mary Jane's Books)			
NOTE	All students should be aware of the issues discussed is Community Rights & Responsibilities			
	(click HERE to see document), especially Appendix C on Academic Integrity.			