



WEEK		LECTURE	READING	LAB EXERCISE
1	1 Sep 3	Introduction - Cartographic Process	Ch. 1	<b>No lab on first week</b>
2	8 Sep 10	Map Functions and Types Map Design: Abstraction/Constraints	Ch. 2	Freehand tutorial Electronic Atlas Map
3	15 Sep 17	Map Projections GPS and Remote sensing	Ch. 3	Electronic Atlas Map
4	22 Sep 24	Generalization Controls and Elements Scale Effects on Map Data	Imhoff	Projections for Map Design
5	29 Sep 1 Oct	Typography Map Composition and Visual Variables	Ch.13 Ch. 4	Scanning and Layout
6	6 Oct 8	Thematic Map Symbols	Ch. 4	Type Placement
7	13 Oct 15	Line and Area Symbols		Visual Balance
8	20 Oct 22	(Review Exam) <b>Mid-term Exam (20)</b>		ArcGIS Color Map <b>(continue lab session after the mid-term exam)</b>
9	27 Oct 29	Use of Color (Distribute Exam quest.)	Ch.14	ArcGIS Color Map
10	3 Nov 5	Graphing	Ch. 17	ArcGIS Color Map
11	10 Nov 12	Data Classing Mapping Enumerated Data	Ch. 5	Choropleth Mapping ONE
12	17 Nov 19	Choropleth mapping Dasymetric mapping	Fisher, Evans Ch. 6	Chorpleth Mapping TWO
13	<b>24 Nov 26</b>	<b>(Furlough Day: NO class) Thanksgiving Day: NO class</b>		<b>NO LAB</b>
14	1 Dec 3	Mapping Uncertainty Introduction to GIS	Buttenfield	Choropleth Mapping THREE
15	8 Dec 10	Internet Mapping and Multimedia Map Use and Misuse	Ch. 16	Choroplethic Mapping THREE
	<b>15 Dec</b>	<b>Final Exam (25) Storm Hall 338, Time: 8:00-9:10am</b>		LAB open
	<b>15 Dec</b>	<b>All Missed Labs Due Date (by 5pm to the Instructor's mailbox -- TSOU)</b>		

**Additional Readings:** (located in Storm Hall 319 or on-line <http://ecr.sdsu.edu/> → **Electronic Reserves & Reserves Pages** → type "GEOG381" → password: \_\_\_\_\_)

(Electronic version is also available in the SAL lab network drive Y:/Readings/ folder)

Brewer, C. A. 1994 Color Use Guidelines for Mapping and Visualization. In MacEachren, A. M. and Taylor, D.R.F. (eds.) *Visualization in Modern Cartography*. New York: Elsevier: 123-147.

**Buttenfield, B. P.** 1999 Visualizing Ecological Uncertainty. Chapter 6 in Hunsaker, C., Goodchild, M.F., Friedl, M. and Case, T. (Eds.) *Uncertainty in Spatial Data for Ecological Analyses*. New York: Springer-Verlag.

Evans, I.S. 1977 The Selection of Class Intervals. *Transactions, Institute of British Geographers*, 2: 98-124.

Fisher, W.D. 1958 On Grouping for Maximum Homogeneity. *Journal of the American Statistical Association*, vol. 53(Dec): 789-798.

Imhoff, E. 1975 Positioning Names on Maps. *The American Cartographer*, vol. 2(2): 128-144.