

## CARTOGRAPHY AND GRAPHICS

Geography 4050/5050 - Fall 2015

### Lecture and Laboratory Schedule

<b>DATE</b>	<b>TOPICS</b>
<b>August</b>	
26	Lec. Introduction; history of cartography.
<b>September</b>	
2	Lec. Map projections. Lab. 1. Map projections.
9	Lec. Grid systems, positioning. Lab. 2. Latitude and longitude, UTM grid, locations.
16	Lec. Scale, distance, areas. Lab. 3. Distance, areas.
23	Lec. 1st theory midterm exam Lab. 1st lab midterm exam
30	Lec. Elevation - bringing in the third dimension. Lab. 4. Contours, profiles and slopes.
<b>October</b>	
7	Lec. Surveying by total station I. Lab. 5. Total station mapping in the field.
14	Lec. Surveying by total station II. Lab. 6. Total station mapping in the lab (in CSAM).
21	Lec. Surveying by GPS I. Lab. 7. GPS mapping in the field.
28	Lec. 2nd theory exam. Lab. 2nd lab exam.
<b>November</b>	
4	Lec. Surveying by GPS II. Lab. 8. GPS mapping in the lab (in CSAM).
11	Lec. Thematic mapping - mapping spatial data. Lab. 9. Thematic maps.
18	Lec. Introduction to GIS 1. Lab. 10. The MapInfo Desktop Interface - Files, Tables, Layers (in CSAM).
25	Lec. Introduction to GIS 2. Lab. 11. Problem Solving with Spatial Analysis (in CSAM).
<b>December</b>	
2	Lec. Review session. (****Projects due in class****) Lab. Final lab exam (take-home).
9	FINAL THEORY EXAM <b>Wednesday</b> December 9th, 2.00 pm.