

INTRODUCTION TO CARTOGRAPHY

Geography 3050 T 2.00-4.50, EESAT 345

Lecture and Laboratory Schedule

DATE	TOPICS
Jan 14	Lecture: Introduction; history of cartography (no lab).
21	Lecture: Map projections. Lab.1. Map projections.
28	Lecture: Grid systems, positioning. Lab. 2. Latitude and longitude, UTM grid, locations.
Feb 4	Lecture: Scale, distance, areas. Lab. 3. Distance, areas.
11	Lecture: 1st theory exam Lab. 1st lab exam
18	Lecture: Elevation - bringing in the third dimension. Lab. 4. Contours, profiles and slopes.
25	Lecture: Surveying by total station I. Lab. 5. Total station mapping in the field.
March 4	Lecture: Surveying by total station II. Lab. 6. Total station mapping in the lab (in EESAT 336).
11	Spring Break (no classes)
18	Lecture: Surveying by GPS I. Lab. 7. GPS mapping in the field.
25	Lecture: 2nd theory exam. Lab. 2nd lab exam.
April 1	Lecture: Surveying by GPS II. Lab. 8. GPS mapping in the lab (in EESAT 336).
8	Lecture: Thematic mapping - mapping spatial data. Lab. 9. Thematic maps (in EESAT 336).
15	Lecture: Introduction to GIS 1. Lab. 10. The MapInfo Desktop Interface - Files, Tables, Layers (in EESAT 336).
22	Lecture: Introduction to GIS 2. Lab. 11. Problem Solving with Spatial Analysis (in EESAT 336).
29	Review session. (****Projects due in class****) Lab. Final lab exam (take-home).
May 6	FINAL THEORY EXAM , Tuesday May 6, 12.30 – 2.30.