

Lecture and Laboratory Schedule

DATE	TOPICS
Jan 16	Lecture: Introduction; history of cartography (no lab).
23	Lecture: Map projections. Lab. 1. Map projections.
30	Lecture: Grid systems, positioning. Lab. 2. Latitude and longitude, UTM grid, locations.
Feb 6	Lecture: Scale, distance, areas. Lab. 3. Distance, areas.
13	Lecture: 1st theory exam Lab. 1st lab exam
20	Lecture: Elevation - bringing in the third dimension. Lab. 4. Contours, profiles and slopes.
27	Lecture: Surveying by total station I. Lab. 5. Total station mapping in the field.
March 5	Lecture: Surveying by total station II. Lab. 6. Total station mapping in the lab (in EESAT 336).
12	Spring Break (no classes)
19	Lecture: Surveying by GPS I. Lab. 7. GPS mapping in the field.
26	Lecture: 2nd theory exam. Lab. 2nd lab exam.
April 2	Lecture: Surveying by GPS II. Lab. 8. GPS mapping in the lab (in EESAT 336).
9	Lecture: Thematic mapping - mapping spatial data. Lab. 9. Thematic maps (in EESAT 336).
16	Lecture: Introduction to GIS 1. Lab. 10. The MapInfo Desktop Interface - Files, Tables, Layers (in EESAT 336).
23	Lecture: Introduction to GIS 2. Lab. 11. Problem Solving with Spatial Analysis (in EESAT 336).
30	Lecture: Review session. (****Projects due in class****) Lab. Final lab exam (take-home).
May 7	FINAL THEORY EXAM Tuesday May 7th, 1.30-3.30 pm.