

SGO1910 : Geographic Information Systems
Fall 2010

Lectures: Fridays, 12.15-14.00, Auditorium 2, Eilert Sundts Hus

Seminars: Monday 08:15 -10:00, Monday 14:15 -16:00, Thursday 14:15 -16:00 , PC-rom 035 Harriet
Holters Hus

Course Coordinator: Karen O'Brien, 339 Harriet Holters Hus (karen.obrien@sosgeo.uio.no)

Lecturers: Karen O'Brien, Bjørg Pettersen, Ida Skivenes, Gunnar Berglund

Seminar Leaders: Christer Vinje Gimse and Sarah Mathisen Przedpelska

Week 35

Lecture: What is GIS? (September 3, Karen O'Brien)

Readings: Longley et al. Ch 1; Goodchild 1992; Schuurman 2000

Seminar: No LABS!

Week 36

Lecture: GIS, Cartography, and Map Production (September 10, Bjørg Pettersen)

Readings: Longley et al. Ch 12; Downs 1997; Kent and Klosterman 2000

Seminar: Orientation to ClassFronter, VPN and Remote Desktop Connection; Exploring ArcMap and ArcCatalog

Week 37

Lecture: Representing Geography (September 17, Bjørg Pettersen)

Readings: Longley et al. Ch 3

Seminar: Publish a map

Week 38

Lecture: The Nature of geographic data (September 24, Bjørg Pettersen)

Readings: Longley et al. Ch 4; Sui 2004; Goodchild 2004

Seminar: Structuring data

Week 39

Lecture: Georeferencing -- (October 1, Karen O'Brien)

Readings: Longley et al. Ch 5

Seminar: Editing data

Week 40

Høstferie

Week 41

Lecture: Data quality issues (October 15, Ida Skivenes)

Readings: Longley et al. Ch 6; Unwin 1995

Seminar: Mid-term quiz 1

Week 42

Lecture: Sociospatial research (October 22, Ida Skivenes)

Readings: Steinberg and Steinberg Ch 3 & 4; Elwood 2002; Talen 2000

Seminar: Downloading and editing external data

Week 43

Lecture: Data collection and management (October 29, Karen O'Brien)

Readings: Longley et al. Ch 8, 9 & 10

Seminar: Projections, scale and distance

Week 44

Lecture: Data analysis I (November 5, Gunnar Berglund)

Readings: Longley et al. Ch 14

Seminar: Crime Scene Investigation

Week 45

Lecture: Data analysis II (November 12, Gunnar Berglund)

Readings: Longley et al Ch 15

Seminar: Putting it all together

Week 46

Lecture: Managing Global Change: New Challenges for GIS (November 19, Karen O'Brien, Virginia Antonijevic)

Readings: Longley et al. Ch 6; Unwin 1995

Seminar: Quiz 2, Open access to work on Projects

Week 47

GIS Lab will have open hours for working on labs and group projects

Week 48

Written exam : Monday, 29 November, 14.30-17.30

Week 49

Project work

Week 50

Group projects due: Monday, 15 December 2010