

# GEG2130 AUTUMN 2012

## Geomorphology of the Nordic countries

Version 2012.09.26; Ole Humlum

Lectures and practicals/exercises Wednesday (12:15-14:00) and Thursday (12:15-14:00) in Lecture Theatre (Auditorium) III.

Course responsible: Ole Humlum (OH)

Other teachers: Jon Ove Hagen (JOH), Kjell Nordseth (KN), Bernd Etzelmüller (BE), Karianne S. Lilleøren (KSL), Jon Tolgensbakk (JT), Jakob Fjellanger (JF).

### COURSE SCHEDULE:

#### *INTRODUCTION LECTURE*

*24 August: Welcome, introduction and practical information about field excursion (OH)*

#### *FIELD EXCURSION*

*Monday 27 August 09:00 – Sunday 2 September 18:00: Field excursion in southern Norway, with one day of field work included (OH, JT). Individual written excursion report (about 10 pages) and field work (about 10 pages) to be handed in 1 November (oral examination 15 November). The reports will be graded and will together carry about 40% weight of the final examination grade. Written examination will be on 7 December 2012. See also comments relating to the examination at the end of this schedule.*

#### *OTHER LECTURES*

*12 September: Major landforms in Europe: Bringing the Nordic countries into perspective (OH).*

*13 September: Bedrock, tectonics and geomorphology 1 (JF).*

*19 September: Bedrock, tectonics and geomorphology 2 (JF).*

*20 September: Bedrock and large scale geomorphology 3 (JF).*

26 September: The concept of cryo-conditioning in landscape evolution (BE).

27 September: Written reports; standards and practical advice (OH).

3 October: Glaciology, glacial hydrology and associated landforms 1 (JOH).

4 October: Glaciers, glacial erosion and associated landforms 2 (JOH).

10 October: No lectures. *Individual work with excursion and field work reports.*

11 October: No lectures. *Individual work with excursion and field work reports.*

17 October: Coastal geomorphology and associated landforms in northern Europe (OH).

18 October: Fluvial geomorphology and associated landforms in the Nordic countries (KN).

24 October: Introduction to Quaternary geology, glaciations and landforms in Norway (KSL).

25 October: Outline of the Weichselian deglaciation and associated landforms in southern Norway (KSL).

31 October: Outline of the Weichselian deglaciation and associated landforms in northern Norway (KSL).

1 November: Geomorphology of Greenland (OH).

7 November: Geomorphology of Iceland (OH).

8 November: Geomorphology of the Faroe Islands (OH).

14 November: Geomorphology of Denmark (OH).

15 November: Oral examination of excursion- and field work reports (yourself, OH and NN)

21 November: Geomorphology of Svalbard (OH).

22 November: Questions about examination + course evaluation (OH).

#### WRITTEN EXAMINATION:

7 December 2012: Written examination based on the reading list (OH and NN).

#### FINAL EXAMINATION GRADE

The final examination grade (A-F) will consist of 1) a grade derived from the oral discussion of the excursion and field reports (15/11), and 2) a grade derived from the written examination (7/12) in the course reading list. *The reports grade will together carry about 40% weight of the final examination*

*grade. The general examination in the course reading list will carry about 60% of the final examination grade.*