

# GEO4410 AUTUMN 2011

Lectures (1 hr) and seminars (2 hr) Friday in room 410 (seminar room at 4<sup>th</sup> floor in the Institute of Geosciences, 09:15-12:00.

Course responsible: Ole Humlum (OH)

## TEACHING SCHEDULE:

### **Field work:**

*Monday 12 September 08:11 – Saturday 17 September 17:32: Field work in the Finse area, central southern Norway (OH).*

*Main scientific field work themes: Glacial and periglacial geomorphological processes and –landforms. The late Weichselian and Holocene glaciation of the Finse area. Permafrost in central southern Norway.*

*Field work location: Finse Research Station. Report writing standard and –techniques will be discussed during the field work period. In addition to the field work there will be seminars/lectures/informal discussions each evening during the stay at the Finse Research station.*

*Individual written field work report (about 20 pp) to be handed in 18 November. The report will be graded and will carry about 50% weight of the final examination (December 6, 2011) grade.*

### **Lectures and seminars:**

*Week 38-43: No lectures and seminars. Individual work with field work report.*

*4 November: Introduction, significance of cold climate geomorphology, geomorphological significance of snow avalanches. (OH).*

*11 November: Geomorphological significance of aggrading permafrost (OH). Seminars with presentation of two selected papers.*

18 November: Geomorphological significance of supraglacial debris in permafrost regions (OH). Seminars with presentation of two selected papers. Please note that field work reports are to be handed in no later than noon this day.

25 November: Geomorphological significance of glacial erosion (OH). Seminars with presentation of two selected papers.

2 December: Geomorphological significance of glacial deposition (OH). Seminars with presentation of two selected papers.

### **Examination:**

6 December 2011: Individual oral examination. The examination will consist of 1) a discussion of the field work report, and 2) a general examination in the course reading list (OH and HHC\*). *The report grade will together carry about 50% weight of the final examination grade. The general examination will carry about 50% of the final examination grade.*

HHC = Professor Hanne H. Christiansen (UNIS, Svalbard).

Ole Humlum

October 19, 2011