

DRAFT

Ph.D. course "Quaternary environments"

Credit: 5 ECTS

Duration: 5 days (Monday-Friday)

Modes of teaching: lectures, exercises, seminars, fieldwork

Evaluation: Written final report

Pre-requisites: Knowledge of Geoscience corresponding to a standard university M.Sc. level

Tuition fee: ???

Content:

1. Quaternary geochronology

A. Murray, J.-P. Buylaert, Mads F. Knudsen, J. Olsen

8 hours (1 day), lectures

2. Interglacial and Holocene terrestrial environments – climate, soils, vegetation, fauna, nutrient cycles

B. Odgaard

2-8 hours, lectures and seminars

3. Long term anthropogenic interactions with ecosystems

B. Odgaard

2-8 hours, lectures and seminars

3. Palaeolimnology - the development of lake ecosystems through time

B. Odgaard

2-8 hours, lectures and seminars

4. Palaeoceanography and palaeoclimate of the late Quaternary in the North Atlantic

M.-S. Seidenkrantz

4-8 hours, lectures

5. Origin and properties of glacial tills

J.A. Piotrowski

4 hours, lectures

6. Glacial continental palaeohydrogeology

J.A. Piotrowski

4 hours, lectures

7. Quaternary stratigraphy of Denmark and Greenland

N.K. Larsen

4 hours, lectures

8. Quaternary geological excursion to western Jutland, Denmark

N.K. Larsen, J.A. Piotrowski

1 day

(8. Alternative: Interglacial deposit at Trelde Klint, Fredericia

B. Odgaard

1 day)