Alternative Course Guide
Master Earth Sciences: Term 3

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Onderwijscommissie der U.A.V.

Content

Introduction

This is the course guide made by students of the Education Committee of the U.A.V. It serves as an alternative for the official course guide. Here you can read the students' positive and negative experiences, whether their courses fitted their track or not, and important points from the evaluations, like the work load. The alternative course guide is updated every period by the U.A.V.'s Education Committee. It is not complete yet, but we hope you can nevertheless use it to make better choices for your master's program.

In this guide, all the possible subjects of the first period of the Master programme can be found. Underneath each subject is a personal account of a particular student's experience and reason for choosing the course.

From 2016-onwards it is possible to have a subject package that does not comply with a particular track (also known as a *recommended study path*), but rather a combination of various elements of each track. You are invited to literally think 'outside the track box'; take a look at subjects outside your study path, or even program. Within the first month of starting your master, a rough outline of how you are going to fill in the next coming two years needs to be sent to the coordinator.

Timeslot A

Earth Materials: From the Atomic to the Planetary Scale (GEO4-1417)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Paleomagnetism (GEO4-1438)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge: First encounter with rock magnetism and its applications: magnetostratigraphy, rotational studies and paleointensity studies.

Skills: Interpretation of rock magnetic measurements and paleomagnetic data, writing a proposal for scientific funding in NWO format. The Osiris description is very clear. The course is not specific for one track, since the topic is related to many study areas. To a large extent you are allowed to choose topics that interest you.

Assessment, structure and work load

The course contains lectures and many exercises; computer exercises and tutorials with interactive presentations (30%), one large 'hands-on' study (20 %) and writing a scientific proposal + presenting it (40 %). Class participation is also graded (10%). No final exam. All computer practicals are performed in teams of two. The work load is constantly high with a peak in the final weeks (the lecturers promised to improve this in the evaluation of 2012-2014).

Experiences

The team of lecturers is very enthusiastic and a lot of assistance is present during practical sessions. We always received feedback on assignments, and were allowed to hand-in improved versions for a higher grade. Moreover, writing a research proposal was very instructive. Some students noted in the evaluation that they would have liked more scheduled sessions with assistance.

Introduction to Physical Oceanography (GEO4-1453)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Earth Surface Modelling (GEO4-4406)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Morphodynamics of Wave-Dominated Coasts (GEO4-4434)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Timeslot B

Dynamics of Earth's Mantle (GEO4-1416)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Evolutionary Paleobiology and Proxies (GEO4-1422)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Earth Resources (GEO4-1425)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Managing Future Deltas (GEO4-4403)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills
Knowledge

Skills:

Assessment, structure and work load

Experiences

Timeslot C

Ocean Law and Policy (GEO4-1452)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Reconstructing the Quaternary Environment (GEO4-4409)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Stochastic Hydrology (GEO4-4420)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Timeslot D

Mechanisms of Deformation and Transport (GEO4-1410)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Dynamics of Sedimentary Systems (GEO4-1419)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Reactive Transport in the Hydrosphere (GEO4-1421)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills

Knowledge

Skills:

Assessment, structure and work load

Experiences

Natural Hazards and Risk Assessment (GEO4-4425)

Overview

Timeslot		*Mean rating last year*	
Teacher		*Mean work load last year*	
Contact		*Success rate last year*	

Acquired knowledge and skills
Knowledge

Skills:

Assessment, structure and work load

Experiences