

BK3 Theory of natural science

Om kurset

mandatory course

uddannelse	Den naturvidenskabelige bacheloruddannelse / Den Internationale Naturvidenskabelige Bacheloruddannelse
Hjemmeside	www.ruc.dk/om-universitetet/organisation/regelsamling/uddannelse/studieordninger-knyttet-til-faellesreglerne-fra-2012/
Kurstype	Obligatorisk kursus
Undervisningsprog	English
Tilmelding	Through STADS selfservice from 1st September to 15th September : Link to STADS selfservice Questions regarding registration can be directed to Mona Vølcker-Hansen, monavh@ruc.dk, phone 4674-2393
Kursus starter	07-09-2015
Kursus slutter	20-11-2015
Undervisningstidspunkt	week 37: monday 10.45-12.45, wednesday 8.30-10.30 week 38-47 Tuesday 10.45-12.45
Undervisningssted	Week 37: 7.9 kl. 10.45-12.45: Room II, 27.2 9.9 kl. 8.30-10.30: Room II, 27.2 Week 38-47: Tuesday: Gl. nat fagsal 11.2-047 (20/10+17/11: Teorirum 1, building 27.1)
Kursusrækkefølge	mandatory course
formål	§18 (9) CURRICULUM FOR THE BACHELOR STUDY PROGRAMME IN NATURAL SCIENCES The objectives of the course are to develop students' knowledge and understanding of: • aspects of the natural sciences seen from the perspective of the theory of science, • philosophical, historical, didactical and ethical aspects of natural science, as well as students' skills to • select and apply relevant literature, including literature on the theory of science and original science literature, • describe a science area or problem in a way that allows its analysis and reflection in the context of the theory of science, and • to present his/her investigations of and reflections on natural science and its role and function in education, research and application.
Indhold	The main structure of the course is study and analysis of a number of themes from philosophy and science studies with corresponding cases. The content includes traditional positions within philosophy of science, such as logical positivism, Kuhn's theory of scientific revolutions and Popper's falsificationism, as well as core notions such as pseudo science, empirism, realism, objectivity, truth, reality and ethics.
Undervisningsform	Lectures, plenary discussions, group work and reports.
bedømmelseskriterier	According to the course teacher: At the assessment of the fulfillment of the objective, the focus is on 1. active end committed participation 2. analytical skills 3. ability to see the natural sciences from a philosophical and science studies perspective.
Eksamensform	Six group assignments submitted on time and approved along with an individual written test with short questions mainly multiple choice. The written test is without aids. It's possible to submit group assignments again, however that will include an extra exercise to be answered.
Reksamensform	Multiple-choice-test

Eksamenstidspunkt	25.11.15 12.15-13.15 Plenum 14.2		
reksamenstidspunkt	25.1.16 10-11 Plenum 14.2		
Undervisningsevalueringsform	All courses include formative evaluation during the course based on dialogue between the students and the teacher(s). All courses are also evaluated through a questionnaire in SurveyXact and oral evaluation at the end of the course. The Study Board will handle all evaluations along with any comments from the course responsible teacher.		
undervisningsmaterialer	delivered electronically		
Maksimum antal deltagere	No max		
Aktivitetsansvarlig	Torben Braüner (torben@ruc.dk)		
Kursussekretær	Mona Vølcker-Hansen (monavh@ruc.dk)		
Underviser	Søren Laurentius Nielsen (nielsen@ruc.dk) Torben Braüner (torben@ruc.dk) Mikkel Hartmann Jensen (mihaje@ruc.dk)		
STADS	bachelor		
stamdata	belastning : 5 ECTS	aktivitetskode : U24762	
	prøveform : skriftlig	bedømmelse : Bestået/ikke bestå	censur : Intern censur