

BK3 - Theory of natural science

Om kurset

uddannelse	Den naturvidenskabelige bacheloruddannelse / Den Internationale Naturvidenskabelige Bacheloruddannelse
sted	Teorirum 14.2
Undervisningssprog	English
Tilmelding	1.-15.6.2013 in STADS self-service
Kursus starter	02-09-2013
Kursus slutter	04-10-2013
Kursusdage	Monday 10.45-12.45 / tuesday 10.45-12.45 and friday 10.45-12.45
formål	<p><i>§18 (9) CURRICULUM FOR THE BACHELOR STUDY PROGRAMME IN NATURAL SCIENCES</i> The objectives of the course are to develop students' knowledge and understanding of:</p> <ul style="list-style-type: none">• 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	<p>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.</p>
kursusform	Form of lessons Lectures, plenary discussions, group work and reports.
mål	<p>Aims The course should contribute to developing</p> <ol style="list-style-type: none">1. the students' knowledge and understanding of natural science disciplines from a philosophical and science studies perspective as well as philosophical, historical and ethical aspects of natural science2. the students' skills in i) selecting and using relevant literature, including philosophical and science studies literature and relevant original scientific sources, ii) describing an area of or a problem within natural science so as to permit analysis and reflection from a philosophical and science studies perspective, iii) performing and disseminating the students' own study of and reflections on the natural sciences and their role and function in education, research and application.
Eksamensform	<p><i>§18 (10) CURRICULUM FOR THE BACHELOR STUDY PROGRAMME IN NATURAL SCIENCES</i> The examination is an assessment of a number of written reports and other work made by the student during the course, and a final written test. The assessment of students is overarching across the goals mentioned in paragraph 9 of this article.</p> <p>Examination in course BK 3 is subject to internal assessment.</p> <p>The marking used is: Passed/Failed.</p> <p>The course teacher: Assessing the fulfillment of the objective: At the assessment of the fulfillment of the objective, the focus is on active and committed participation, analytical skills, ability to see the natural sciences from a philosophical and science studies perspective. The assessment is based on: 3 reports punctually handed in and approved, a final written individual examination.</p>
Eksamenstidspunkt	<p>Friday 4.10.2013</p> <p>Re-examination: monday 21.10.13 in the afternoon</p>
forudsætninger	None.

Evaluering	A course evaluation will be held at the final session of the course.		
Materialer	Materials Compendium you can buy in RUCs book store		
Maksimum antal deltagere	all		
Aktivitetsansvarlig	Søren Laurentius Nielsen (nielsen@ruc.dk) Martin Niss (maniss@ruc.dk) Torben Braüner (torben@ruc.dk)		
Kursussekretær	Mette Christina Nielsen (mettecn@ruc.dk)		
Underviser	Søren Laurentius Nielsen (nielsen@ruc.dk) Martin Niss (maniss@ruc.dk) Torben Braüner (torben@ruc.dk)		
STADS	bachelor		
stamdata	belastning : 5 ECTS	aktivitetskode : U24762	
	prøveform : skriftlig	bedømmelse : Bestået/ikke bestå	censur : Intern censur