

# BK3 Theory of natural science (NIB-B-2016)

## About the course

subject	Den internationale naturvidenskabelige bacheloruddannelse
Activity type	Basic course
Teaching language	English
Registration	<p>Please register via <a href="https://intra.ruc.dk/en/students/student-hub/student-hub-find-the-answers-to-your-administrative-questions/">stads-self-service</a> within the registration period announced here: <a href="https://intra.ruc.dk/en/students/student-hub/student-hub-find-the-answers-to-your-administrative-questions/">https://intra.ruc.dk/en/students/student-hub/student-hub-find-the-answers-to-your-administrative-questions/</a></p> <p>Tilmelding via <a href="https://intra.ruc.dk/dk/for-studerende/student-hub/studieadministration/">stads selvbetjening</a> Indenfor den annonceret tilmeldingsperiode, som du kan se her: <a href="https://intra.ruc.dk/dk/for-studerende/student-hub/studieadministration/">https://intra.ruc.dk/dk/for-studerende/student-hub/studieadministration/</a></p>
Objectives description (assessment criteria)	<p>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</p> <p>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 an analysis of and reflection on the area/problem within in the context of the theory of science ● to present his/her investigations of and reflections on natural science and its role and function in education, research and application.</p>
Overall content	the main structure of the course is the 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, empiricism, realism, objectivity, truth, reality and ethics.
Teaching and working methods	Lectures as well as group work on reports for the cases
Course material and Reading list	A collection of texts available on Moodle.
Prerequisite for taking the exam	<p>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.</p> <p>And six group assignments submitted on time and approved. It's possible to submit group assignments again, however that will include an extra exercise to be answered.</p>
Form of examination	written exam
Form of re-examination	Information regarding the re-exam will be up on moodle as we get closer to the date
Examination type	Individual examination
Assessment	Pass / No pass
Moderation	Internal (i.e. course lecturer and an internal examiner assess)
Evaluation- and feedback forms	there will be feedback on the assignments which are set during the course. an electronic evaluation will take place at the end of the course
Responsible for the activity	Morten Blomhøj ( <a href="mailto:blomhoej@ruc.dk">blomhoej@ruc.dk</a> ) Martin Niss ( <a href="mailto:maniss@ruc.dk">maniss@ruc.dk</a> )

	Torben Bräuner ( <a href="mailto:torben@ruc.dk">torben@ruc.dk</a> ) Hans Ramløv ( <a href="mailto:hr@ruc.dk">hr@ruc.dk</a> )		
teacher	Martin Niss ( <a href="mailto:maniss@ruc.dk">maniss@ruc.dk</a> ) Torben Bräuner ( <a href="mailto:torben@ruc.dk">torben@ruc.dk</a> ) Hans Ramløv ( <a href="mailto:hr@ruc.dk">hr@ruc.dk</a> )		
Administration of exams	Natbach Studieadministration ( <a href="mailto:natbach-studieadministration@ruc.dk">natbach-studieadministration@ruc.dk</a> )		
STADS stamdata	Basic course		
	workload : 5 ECTS	activitycode : U24762	
	exam form : written	grading : Passed/Not passed	ensorship : Internal censor

## Course days:

Hold: 1

### 1. session

time	04-09-2017 10:15 til 04-09-2017 12:00
location	15.0-003 - auditorie 15 (68)
Content	Please see Moodle

### 2. session

time	07-09-2017 08:15 til 07-09-2017 10:00
location	11.1-047 - studiesal (40)
Content	Please see Moodle

### 3. session

time	08-09-2017 10:15 til 08-09-2017 12:00
location	15.0-003 - auditorie 15 (68)
Content	Please see Moodle

### 4. session

time	15-09-2017 08:15 til 15-09-2017 10:00
location	11.1-047 - studiesal (40)
Content	Please see Moodle

## 5. session

time 22-09-2017 15:15 til  
22-09-2017 17:00

location 11.1-047 - studiesal (40)

## 6. session

time 29-09-2017 10:15 til  
29-09-2017 12:00

location 15.0-003 - auditorie 15 (68)

Content Please see Moodle

## 7. session

time 06-10-2017 10:15 til  
06-10-2017 12:00

location 11.1-047 - studiesal (40)

Content Please see Moodle

## 8. session

time 13-10-2017 10:15 til  
13-10-2017 12:00

location 11.1-047 - studiesal (40)

Content Please see Moodle

## 9. session

time 20-10-2017 10:15 til  
20-10-2017 12:00

location 11.1-047 - studiesal (40)

Content Please see Moodle

## 10. session

time 27-10-2017 10:15 til  
27-10-2017 12:00

location 11.1-047 - studiesal (40)

Content Please see Moodle

## 11. session

time 03-11-2017 10:15 til  
03-11-2017 12:00

location 11.1-047 - studiesal (40)

Content Please see Moodle

## 12. session

time 10-11-2017 10:15 til  
10-11-2017 12:00

location 11.1-047 - studiesal (40)

Content Please see Moodle

## Exam

time 17-11-2017 10:00 til  
17-11-2017 12:00

location 11.2-047 - gl. natfagsal (65)

## Reexam BK3 Local 27.1-189 Teorirum 27.1

time 29-01-2018 10:00 til  
29-01-2018 12:00

STADS	Basic course	activitycode : U24762	
stamdata	workload : 5 ECTS	grading : Passed/Not passed	sensorship : Internal censor
	exam form : written		