

# Basic course 3: Theory of natural science

## About the course

Subject	Den internationale naturvidenskabelige bacheloruddannelse
Activitytype	basic course
Teaching language	English
Registration	<p>Tilmelding sker via <a href="#">STADS-Selvbetjening</a> indenfor annonceret tilmeldingsperiode, som du kan se på <a href="#">Studieadministrationens hjemmeside</a>.</p> <p>Når du tilmelder dig kurset, skal du være opmærksom på, om der er sammenfald i tidspunktet for kursusafholdelse og eksamen med andre kurser, du har valgt. Uddannelsesplanlægningen tager udgangspunkt i, at det er muligt at gennemføre et anbefalet studieforløb uden overlap. Men omkring valgfrie elementer og studieplaner som går ud over de anbefalede studieforløb, kan der forekomme overlap, alt efter hvilke kurser du vælger.</p> <p>Registration through <a href="#">STADS-Selvbetjening</a> within the announced registration period, as you can see on the <a href="#">Studyadministration homepage</a>.</p> <p>When registering for courses, please be aware of the potential conflicts between courses or exam dates on courses. The planning of course activities at Roskilde University is based on the recommended study programs which do not overlap. However, if you choose optional courses and/or study plans that goes beyond the recommended study programs, an overlap of lectures or exam dates may occur depending on which courses you choose.</p>
Course material and reading list	Kompendium som findes på Moodle.
Evaluation- and feedback forms	der vil blive givet feedback på opgaverne der stilles i løbet af kurset. Der finder en elektronisk evaluering sted ved kursets afslutning
Administration of exams	Nibbach Studyadministration ( <a href="mailto:nibbach-studyadministration@ruc.dk">nibbach-studyadministration@ruc.dk</a> )
The responsible course lecturer	Torben Braüner ( <a href="mailto:torben@ruc.dk">torben@ruc.dk</a> )
Type of examination	Individual written invigilated examination set by the lecturer. The duration of the invigilated examination is 1 hour. Permitted support and preparation materials for the invigilated examination: None. Assessment: Pass/Fail. Moderation: None.
ECTS	5
Learning outcomes and assessment criteria	<ul style="list-style-type: none"><li>• Knowledge of scientific-theoretical aspects in subjects within the Natural Sciences</li><li>• Knowledge of philosophical, historical, didactic and ethical aspects of Natural Sciences</li><li>• Skills to be able to select and draw upon relevant literature, including scientific-theoretical literature and relevant original scientific sources</li><li>• Skills to be able to describe an area or an issue within the Natural Sciences, so that it becomes accessible to scientific-theoretical analysis and reflection</li><li>• Skills to be able to carry out investigations of and reflections on the Natural Sciences and their roles and functions in education, research and application</li><li>• The competence to be able to carry out scientific-theoretical analysis on a delimited natural scientific research question</li><li>• The competence to be able to share knowledge about investigations of and reflections on scientific-theoretical aspects of subjects and issues within the Natural Sciences</li></ul>
Overall content	The course is designed around a number of science theory themes with associated cases. Among other things, this will include traditional scientific-theoretical positions such as logical positivism, Kuhn's theory on scientific revolutions and Popper's falsifiability, as well as core concepts such as pseudo-science, empiricism, realism, objectivity, truth, reality and ethics.

Prerequisites for participation	Currently no data from curriculum.
Prerequisites for participation in the exam	During the course, students must prepare six group assignments. Students are divided into groups of 2-4. The assignments are set by the lecturer during the course. The assignments are submitted during the course, and submission deadlines will be published on study.ruc.dk. The assignments are assessed by the lecturer, who also provides feedback on the assignments. In the event that one or several students' assignments are not approved or not submitted on time, a new submission (re-submission) deadline will be set. For re-submissions, the lecturer may require the student to prepare an extra assignment. It is possible to re-submit all assignments one at a time, but each assignment can only be re-submitted once.
Teaching and working methods	Lectures and group work with reports for the cases.
Type of course	Compulsory course
Exam code(s)	Exam code(s) : U26533

Course days:

Hold: 1

## Bachelor course (BC3): Theory of natural science

Time	02-09-2019 10:15 til 02-09-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Location	27.2-054 - lokale 3 (40)
Teacher	Martin Niss ( maniss@ruc.dk ) Torben Braüner ( torben@ruc.dk ) Hans Ramløv ( hr@ruc.dk )
Content	Please see Moodle

## Bachelor course (BC3): Theory of natural science

Time	03-09-2019 10:15 til 03-09-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Location	11.2-047 - gl. natfagsal (65)
Teacher	Martin Niss ( maniss@ruc.dk ) Torben Braüner ( torben@ruc.dk ) Hans Ramløv ( hr@ruc.dk )
Content	Please see Moodle

## Bachelor course (BC3): Theory of natural science

Time	06-09-2019 10:15 til 06-09-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Location	27.1-089 - teorirum 27 (66)
Teacher	Martin Niss ( maniss@ruc.dk ) Torben Braüner ( torben@ruc.dk ) Hans Ramløv ( hr@ruc.dk )
Content	Please see Moodle

## Bachelor course (BC3): Theory of natural science

Time	13-09-2019 10:15 til 13-09-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Location	27.2-054 - lokale 3 (40)
Teacher	Martin Niss ( maniss@ruc.dk ) Torben Braüner ( torben@ruc.dk ) Hans Ramløv ( hr@ruc.dk )
Content	Please see Moodle

## Bachelor course (BC3): Theory of natural science

Time	20-09-2019 10:15 til 20-09-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Location	27.2-054 - lokale 3 (40)
Teacher	Martin Niss ( maniss@ruc.dk ) Torben Braüner ( torben@ruc.dk ) Hans Ramløv ( hr@ruc.dk )
Content	Please see Moodle

## Bachelor course (BC3): Theory of natural science

Time	27-09-2019 10:15 til 27-09-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Location	27.2-054 - lokale 3 (40)
Teacher	Martin Niss ( maniss@ruc.dk ) Torben Braüner ( torben@ruc.dk ) Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science

Time 04-10-2019 10:15 til  
04-10-2019 12:00

Location 27.2-054 - lokale 3 (40)

Teacher Torben Braüner ( torben@ruc.dk )  
Martin Niss ( maniss@ruc.dk )  
Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science

Time 11-10-2019 10:15 til  
11-10-2019 12:00

Location 27.2-054 - lokale 3 (40)

Teacher Torben Braüner ( torben@ruc.dk )  
Martin Niss ( maniss@ruc.dk )  
Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science

Time 18-10-2019 10:15 til  
18-10-2019 12:00

Location 27.2-054 - lokale 3 (40)

Teacher Torben Braüner ( torben@ruc.dk )  
Martin Niss ( maniss@ruc.dk )  
Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science

Time 25-10-2019 10:15 til  
25-10-2019 12:00

Location 27.2-054 - lokale 3 (40)

Teacher Torben Braüner ( torben@ruc.dk )  
Martin Niss ( maniss@ruc.dk )  
Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science

Time 01-11-2019 10:15 til  
01-11-2019 12:00

Location 27.2-054 - lokale 3 (40)

Teacher Torben Braüner ( torben@ruc.dk )  
Martin Niss ( maniss@ruc.dk )  
Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science

Time 08-11-2019 10:15 til  
08-11-2019 12:00

Location 27.2-054 - lokale 3 (40)

Teacher Torben Braüner ( torben@ruc.dk )  
Martin Niss ( maniss@ruc.dk )  
Hans Ramløv ( hr@ruc.dk )

## Bachelor course (BC3): Theory of natural science - Exam

Time 15-11-2019 10:00 til  
15-11-2019 11:00

Forberedelsesnorm Ikke valgt

Forberedelsesnorm d-vip Ikke valgt

Location 23.1-009 - teori (65)

## Basic course 3: Theory of natural science - Prerequisites for participation in the exam

Time 13-01-2020 10:00 til  
13-01-2020 10:00

Forberedelsesnorm Ikke valgt

Forberedelsesnorm d-vip Ikke valgt

## Bachelor course (BC3): Theory of natural science - Re-exam

Time 27-01-2020 10:00 til  
27-01-2020 11:00

Forberedelsesnorm Ikke valgt

Forberedelsesnorm d-vip Ikke valgt

Location (when shared activity) 27.1-089 - teorirum 27 (66)