Bachelor Project

About the course

subject	Den internationale naturvidenskabelige bacheloruddannelse
Activity type	the bachelor project
Teaching language	English
Registration	Tilmelding sker via STADS-Selvbetjening indenfor annonceret tilmeldingsperiode, som du kan se på Studieadministrationens hjemmeside. Registration through STADS-Selvbetjeningwithin the announced registration period, as you can see on the Studyadministration homepage.
Head of studies/ academic coordinator	Martin Niss (maniss@ruc.dk)
Administration of exams	Natbach Studieadministration (natbach-studieadministration@ruc.dk)
Responsible for the activity	Carsten Lunde Petersen (lunde@ruc.dk) Martin Niss (maniss@ruc.dk)
ECTS	15
Learning outcomes and assessment criteria	• Knowledge of concepts, theories and methods within the Natural Sciences relevant to the chosen issue • Knowledge of and an overall grasp of selected fields of natural science that are relevant to the issue • Knowledge of and an overall grasp of methods and approaches relevant to the issue • Knowledge of relevant academic, societal, scientific-theoretical or didactic perspectives on the issue • Skills to be able to use relevant experimental or other empirical methods • Skills to be able to use relevant quantitative and qualitative methods • Skills to be able to use relevant IT tools in the project work efficiently • Skills to be able to systematically search for relevant scientific literature as well as to be able to use original scientific literature to illuminate the selected issue • Skills to be able to share information about an investigation of an issue within the Natural Sciences in accordance with academic standards and norms, both orally and in writing • Skills to be able to organize and manage a project in an efficient manner within a set timeframe • The competence to be able to take a critical approach to the strengths and weaknesses of the theories and methods used • The competence to be able to identify and link elements of empirical data, theories, models and simulations • The competence to be able to undertake observations and carrying out experiments in relation to the selected issue • The competence to be able to design and carry out relevant empirical investigations • The competence to be able to design, analyze and criticize mathematical or other models within the Natural Sciences • The competence to be able to reflect on and account for the character of the project and its placement in relation to one or several subjects within the Natural Sciences • The competence to be able to reflect on and communicate about one's own academic and personal competences
Overall content	The purpose of the bachelor's project is for the student to undertake a detailed investigation in relation to their prior studies on the basis of experience and academic insight acquired through their studies. The bachelor's project must decisively draw upon and use natural science theories and methods to illuminate a complex natural science issue. The Head of Studies must approve the area within which the bachelor's project problem statement is to be formulated. This is to ensure that the student can be allocated relevant supervision. The

	Head of Studies approves the topic of the bachelor's project and also sets a deadline for submission of the bachelor's project.
Prerequisites for participation in the exam	Approval of the project work for the bachelor project is contingent on the student having actively and satisfactorily participated in the project, including the following elements of the project work: • The project formation process as well as selection and delimitation of the project's problem • Problem statement seminar, where the problem statement is presented and discussed • The halfway evaluation, including the drafting of the written halfway evaluation presentations as well as in the group's opponent role at the halfway evaluation • The group's preparation of the project report and any other products • The group's project presentation and opponent role at the internal final evaluation
Teaching and working methods	The bachelor project is problem-oriented, exemplary and participant-led. The intention of the project work is to develop the student's proficiency in applying natural science theories and methods while working on a delimited academic area. The project work entails the student independently formulating a problem statement of their own choosing so that the project provides an exemplary realisation of the purpose of the project in question. Over the course of the project work, the group will undergo an evaluation together with the supervisor in connection with the halfway evaluation and once more at the end of the project.
Type of activity	Project
Form of examination (p1)	Individual or group exam for the participants in the bachelor project. The bachelor project is normally written in groups, but may be written individually. The oral exam is an individual exam for students who have completed the project report alone or for those who have requested an individual exam. All other oral exams are held as group exams. The starting point for the oral exam is the students' bachelor project report and any supplementary material. The exam includes individual presentations within one of the topics selected by the examiner, which will be communicated to the students no later than 3 working days prior to the exam. Each individual presentation may last up to 5 minutes. A dialogue between the student(s) and the assessors about the project, will be conducted after the individual presentation(s). There may be posed questions to any part of the the subject area of the project report. The assessment is individual and is based on the project report, any additional material and the student´s oral performance. Permitted group size: 2-6 students. The character limits of the project report are: For 1 student: 24,000-180,000 characters, including spaces. For 2 students: 24,000-180,000 characters, including spaces. For 3 students: 24,000-192,000 characters, including spaces. For 4 students: 24,000-192,000 characters, including spaces. For 5 students: 24,000-204,000 characters, including spaces. For 6 students:24,000-204,000 characters, including spaces. The character limits include the cover, table of contents, summary, bibliography, figures and other illustrations, but exclude any appendices. The project report must include a summary. The summary can either be written in English or Danish. The summary is included in the overall assessment with a weighting of 5 percent. Time allowed for exam including time used for assessment: 1 student: 30 minutes. 2 students: 60 minutes. 3 students: 75 minutes. 4 students: 90 minutes. 5 students: 105 minutes. 6 students: 120 minutes. Spelling and communication skills in the project report are part of the assessment. Permitted support and preparation materials at the oral exam: All Assessment: 7-point grading scale. Moderation: External examiner

Form of Re-examination (p1)	Samme som ordinær eksamen
Exam code(s)	Exam code(s) : U27204

Course days:

Hold: 1

Bachelor Project - Bachelor project seminar (NIB)

time	24-11-2021 11:00 til 24-11-2021 12:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
Location (when shared activity)	01.1-028 - lille auditorie (150)
Teacher	Søren Hvidt (hvidt@ruc.dk)

Bachelor Project - Project Formation (NIB)

time	31-01-2022 08:15 til 31-01-2022 16:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
location	06.2-007 - teorirum 06.2 (98)

Bachelor Project - Project Formation (NIB)

time	01-02-2022 08:15 til 01-02-2022 10:00
location	03.1-s03 - auditorie a (120)
Teacher	Carsten Lunde Petersen (lunde@ruc.dk)

Bachelor Project - Project Formation ONLINE (NIB)

time	01-02-2022 10:15 til 01-02-2022 14:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Project Formation ONLINE (NIB)

time	02-02-2022 14:15 til 02-02-2022 18:00

forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Project Formation (NIB)

time	03-02-2022 14:15 til 03-02-2022 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
location	25.1-035 - teorirum 25.1 (98)
Teacher	Carsten Lunde Petersen (lunde@ruc.dk)

Bachelor Project - Project Formation (NIB)

time	04-02-2022 14:15 til 04-02-2022 16:00
location	04.1-06.1-014 - teorirum 04/06 (130)

Bachelor Project - Deadline for project descriptions with indication of wishes for supervisor (NIB)

time	04-02-2022 16:00 til 04-02-2022 16:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Deadline for signing up for projects at STADS (NIB)

time	10-02-2022 23:59 til 10-02-2022 23:59
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Problem statement seminar (NIB)

time	02-03-2022 09:00 til 02-03-2022 12:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
location	05.1-032 - teorirum 05.1 (65) / 06.1-032 - teorirum (65)

Bachelor Project - Midterm Evaluation (NIB)

time	25-03-2022 08:15 til 08-04-2022 16:00

forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Final Evaluation (NIB)

time	10-05-2022 08:15 til 12-05-2022 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Project Hand-in (NIB)

time	24-05-2022 10:00 til 24-05-2022 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Oral Exam (NIB)

time	16-06-2022 08:15 til 24-06-2022 14:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Bachelor Project - Presentation seminar and party (NIB)

time	29-06-2022 14:15 til 29-06-2022 18:00
location	04.1-06.1-014 - teorirum 04/06 (130)

Bachelor Project - Oral Reexam (NIB)

time	01-08-2022 08:15 til 31-08-2022 16:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
Content	Roskilde University's common education regulations, § 20, stk. 5: Students who have not passed an ordinary project examination will be registered for re-examination. The student will be entitled to make changes to the previously submitted written project report. The project report must be submitted no later than 14 days after the ordinary project examination has been completed