

Faculty of Science

Contract: Project outside course scope

PERSONAL INFORMATION

Ucph-username *

First name *

Surname *

E-mail *

Telephone number *

Study programme *

Study programme	MSc in Physics
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Specialisation (if applicable)

Specialisation (if applicable)	
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INFORMATION ABOUT MAIN SUPERVISOR

Name *

E-mail *

Institute *

Institute	The Niels Bohr Institute
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Institute	Choose from the list
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Institute	Choose from the list
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INFORMATION ABOUT THE PROJECT PERIOD

A project outside course scope can only act as part of your restricted elective subject elements if it is permitted by your programme specific curriculum, or if you have been granted dispensation to have it act as such.

The project counts as:

☐ Restricted elective ☒ Elective

☐ Both restricted elective and elective (only for 15 ECTS credits)

Project workload (ECTS):

7.5 ECTS credits

Block of Commencement:

*

Block of End of Project:

*

Block 2

Block 2

Date of submission for project report:

22/01/2021

Exam form:

*

Written report

Your project outside the course scope is assessed by an internal examiner, and a grade from the 7-point scale is given.

THE FOCUS OF THE PROJECT

☐ The project outside course scope is prepared as a group project

Students on study programmes taught in English must write in English. Students on study programmes taught in Danish may write in Danish or English. The project contract must state which language has been chosen.

State in which language the project is prepared

*

☐ Danish ☒ English ☐ Swedish ☐ Norwegian

Title/topic of the project

*

De-biasing GAIA classification with Machine Learning

Description:

*

Quasars are excellent indicators of earlier epochs and hence crucial to our understanding of the early Universe. That is, if we can locate them! This magnifies the great need of objective classification methods among different sources in the sky. Is it possible gain a new, unbiased classification method to trace quasars? In the attempt to answer that question, this project will make use of a variety of machine learning models and try to clarify any outcome via relevant preprocessing and cross validation.

PROJECT OUTSIDE THE COURSE SCOPE AS GROUP PROJECT

Add the other members of the group here

Name

*

Ucph-username

*

Information about project and exam

The project is prepared as a:

☒ Joint report ☐ Report with individual contributions

*

The exam is held as a:

☐ Group exam ☒ Individual exam

*

INFORMATION ABOUT SUPERVISION

The main supervisor and the student(s) must align their expectations for the project process with each other by providing the following information:

State the expected number of hours of supervision: *

State how often you need to meet (prepare meeting schedule if needed): *

1-2 times a week

State what is expected of the supervisor at the meetings: *

The supervisor is expected to answer emails in between the meetings and provide inputs to the final report ensuring its relevance in the context of state of the art literature.

State what is expected of the student(s) at the meetings: *

The student is expected to take the initiative in case she needs help with anything during the project. Further, it is expected that she will provide the supervisor with ongoing updates as she progresses.

Other:

SIGNATURES

Read where you must submit the contract: Studieinformation på KUnet > Bachelorprojekt og andre projekter > Tilmelding og kontrakt.

Student

Date

Sime V. Nier

28/10-20

When signing this contract I guarantee that I have read the university's guidelines on how to avoid plagiarism:
Studieinformation > Kurser og undervisning > God videnskabelig praksis.

Main supervisor

Date

Yl Gynbo

30/10-20

Head of studies

Date

Read more about UCPH's **data policy** (<https://informationssikkerhed.ku.dk/english/>)



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Best regards

University of Copenhagen

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