

# SMED 8020

Genetic Epidemiology

**pre-course information and preparations**

# Information regarding SMED8020 spring 2022

Welcome to SMED8020 Genetic Epidemiology 2022.

All teaching will take place on campus at NTNU, and we have chosen Blackboard as the platform to communicate and share course content with you. If any issues arise, please do not hesitate to contact us.

## LECTURES

Lectures will be in person. Recorded lectures from previous years will be made available after the in-person lecture to make it easier for you to review them in your own time. We aim to make the lecture notes available a few days prior to the scheduled time to give you time to view them. Questions to the lectures can be asked during the sessions each day and on email and Blackboard.

## ASSIGNMENT:

The assignment will be made available on Blackboard on the first day of the course, **Monday 30.05.22**. The assignment must be completed by and presented orally on **Thursday 09.06.22** with a 15 min oral presentation. (Applicable only for those who are taking the course for credits).

## PRACTICALS:

The hands-on work for the course SMED8020 will be done using your own computer. A lecturer will be available for those taking the course for credits. In addition, the course has a github repository that we will make available to you all. There you will be able to view and download code used during the practicals.

Due to the requirement to complete the practicals, we will prioritise the students having signed up for credits. The practicals will be available on github for all students, but the tutoring will be prioritised for those who will receive credits for the course (this year or next).

Before the course we recommend that you make sure you have installed PLINK, R and R Studio on your computer. If you have little prior experience in working with R or the command line, we also recommend that you have a look at the suggested links below.

## Recommended preparations

### BASIC introduction to R and PLINK:

- plink: <https://www.cog-genomics.org/plink2>
- <https://www.datacamp.com>
- <https://www.statmethods.net/r-tutorial/index.html>

### Contact information:

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