



GÖTEBORGS  
UNIVERSITET



CHALMERS

# Teachers' meeting: "news" concerning PhD studies

March 17, 2023

# GU/science faculty



- Plans for a common graduate school (our Chalmers Ph.D. students would be welcome to participate in the activities)
- According to the recommendations from the science faculty, at most  $\frac{1}{4}$  of the courses in the Ph.D. program can be replaced by courses included in the Master's degree. For us, this would mean
  - 22.5 credits in Mathematics and Mathematical statistics
  - 15 credits in Applied mathematics and statistics (Chalmers) and the specialization Applications (GU)

# Chalmers

- **GTS courses**: new mandatory courses (7.5 credits) implemented, registration via Canvas.
- According to the prevalence study on gender-based vulnerability in academia, female PhD students at Chalmers seem to be more vulnerable (bullying, insulting comments, accused of incompetence) than other groups.
- Industrial PhD agreement under revision

# MV: Broad PhD courses

We have written course plans (led by David Cohen) for three 7.5 ECTS broad PhD courses which are also accessible to Master's students and students from other departments:

1. Classic papers in numerics, optimisation, and statistics
2. Numerical methods for ODEs (2023-2024?)
3. Stochastic gradient descent and (machine) learning, a mathematical introduction

Every other year, one of the courses will be given. The course which is given each time is chosen after consultation with our PhD students.

# MV: Misselaneous

- Andreas Rosén is working on a common homepage for PhD courses in Sweden.
- The [syllabus](#) (almänna studieplan) in [Mathematics \(GU/Chalmers\)](#) has been updated so that the compulsory courses in the four topics are [normally](#) taken before lic but can be postponed.
- The [syllabus](#) in Natural sciences/Mathematics, specialising in [Education](#) is under revision.
- All our Ph.D. students have been invited to the [Canvas page](#) on Ph.D. studies.
- [Discussion group](#) on PhD education and supervision.