



The Bachelor Programme at Fysikum

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1. Purpose and Form
2. Evaluation
3. Requirements and Schedule
4. Deadlines
5. How to start...



- Bachelor of Science is an **undergraduate academic degree**
 - a result of the Bologna process for harmonizing higher-education across european countries
- Awarded after **three years** of courses at SU
- Perform a **scientific research project** and/or a **literature study** in physics.
 - Your chance to prove that you can **produce a professional scientific document!**
(will be published on the web)



- BSc programme is concluded with **11 weeks** where you will work with a scientific topic in **physics** or **medical physics of your choice**
- **Independent** work, but *supervised*.
 - Right for min. 10 hours of supervision.
- 13.5 hp work, + 1.5 hp participate in seminarium series on **scientific methods = 15 hp**
- After 11 weeks you **hand in a thesis report** (some 30 pages)
- ~ 2 weeks later, you will give a public presentation on your thesis, with examination.



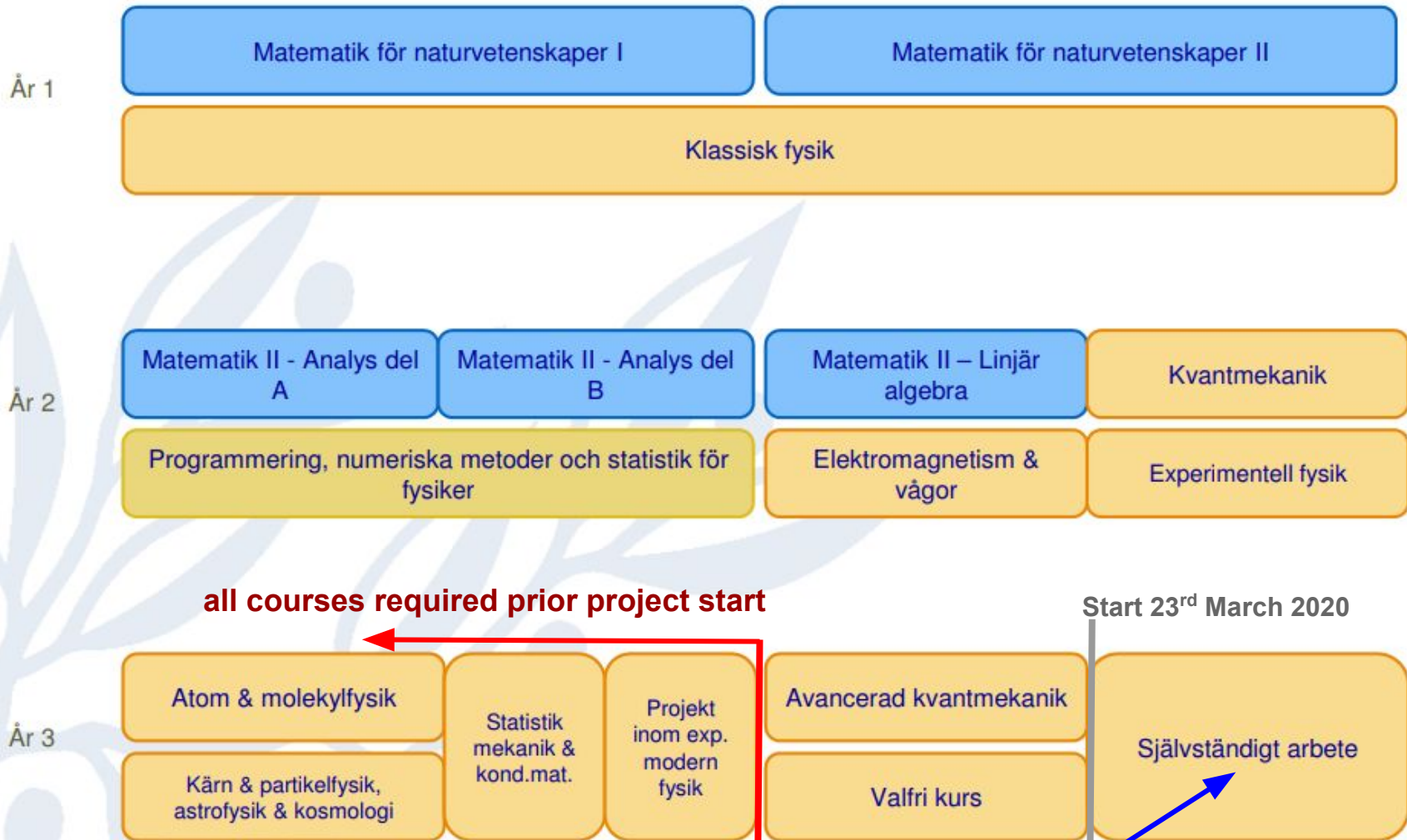
- **Written report**
 - Understanding of the problem, scientific attitude
 - Arrangement, contents
 - Language and expression
 - Clarity of figures and tables
 - Proper references
- **Oral presentation**
 - Arrangement, contents
 - clarity of presentation
 - Discussion of questions
- **How the work was performed**
 - planning and follow up
 - Experimental/theoretical methods
 - Independence in work
 - Independence in drawing conclusions
 - Initiative



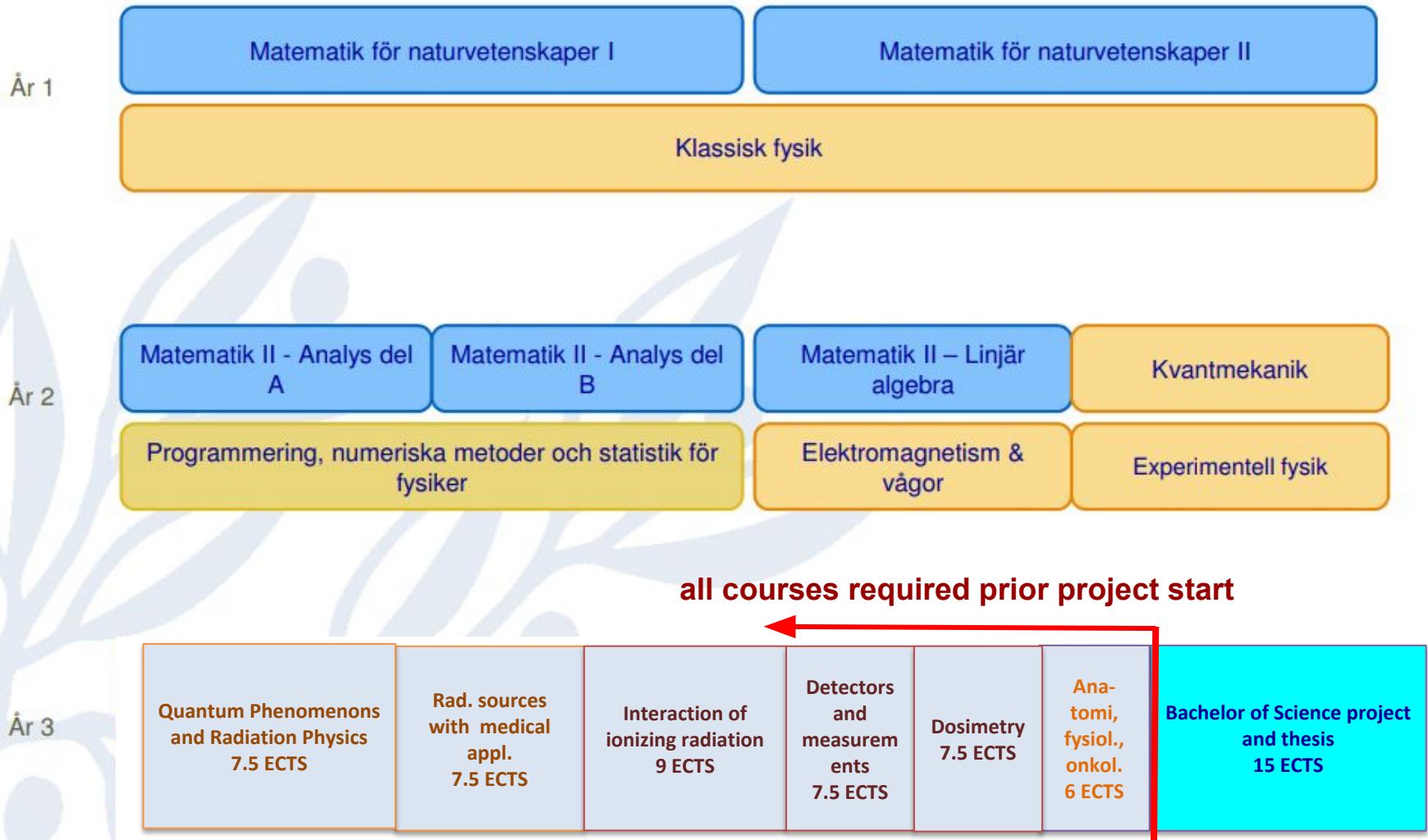
<https://www.fysik.su.se/utbildning/program-kurser/examensarbeten>

Before you can start:

- Finish all courses **up to and including**:
 - “**project inom experimentell modern fysik**”
(7.5 hp FK5026) (**Physics**)
 - “**Introduction to Anatomy, Physiology and Oncology**”
(6 hp FK3015) (**Medical Radiation Physics**)



May also be done half speed during the entire semester.





- **March 16th**
 - **Project plan** handed to course responsible for approval (Markus (Fysikum) or Niels (MSF))
- **May 31st**
 - Last date to hand in report to present before the summer break (= Sunday 7th June 2020) If you aim for this date, **inform** your supervisor and course responsible **in due time**, so the defense date can be set before hand-in.
- **August 16th**
 - Last date to hand in report to present before the next semester starts (= Monday 31st August 2020)

How to start...



1. Find a project and a supervisor.

This is YOUR responsibility!

There are people on all departments which are willing to help.

Think about how you will start this, **and start now!**

2. When you have found a supervisor:

- prepare a **BSc project plan**, approved by supervisor
- and present the **plan** to either:

- **Markus Henrich** (physics programme)
- **Niels Bassler** (medical physics programme)

depending on what programme you are enrolled at,
no later than 16th March 2020.

How to start...



3. Find and **sign up for the “scientific methods”** course which must be taken in parallel:

www.science.su.se

<https://www.science.su.se/english/education/courses/scientific-method-1-5-hp-1.216885>

Again: Important you **start** and **finish on time**, so you will not delay the following MSc programme.