# Degree Project in Biotechnology, Second Cycle, 30.0 hp, BB200X

Course leader and examiner:

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# First steps for student:

- Find a project (should be Biotechnology!)
  - At KTH or at other university or a company
  - In Sweden or abroad

- Find supervisor(s)
  - Main supervisor at KTH
  - and (if external project) External supervisor

- Contact examiners to make sure the project is suitable as Master's degree project

# Examples of projects in 2018

**Title:** Selection of new affibody molecules binding to exosomes marker proteins

**Company/institute:** KTH/CBH/Dept. of Protein Science

**Title:** Plasma fatty acid profile and the link to target protein expression of relevance for cardiovascular disease: a population-based study of 70-year old men and women.

**Company/institute:** Uppsala University/Department of Public Health and Caring Sciences

**Title:** Single cell analysis of NK cell activation via the NKG2D receptor in Inflammation-driven cancer

**Company/institute:** Imperial College London, UK & KTH/SCI/Division of Cellular Biophysics

**Title:** Comparison of the biodegradability of different intestinal filling agents

**Company/institute:** Lument AB, Lund

# Examination

Examination (Pass/Fail) is assessed upon the following tasks:

1. Project plan
2. Project execution and management
3. Master's thesis
4. Public oral presentation
5. Public opposition on another project, including written summary of opposition.

# Role of Main supervisor

1. Give resources for theoretical and practical work to perform the degree project

2. Provide supervision of practical and theoretical work

3. Monitor and document the student's learning process

4. Evaluate the student's performance

# Role of external supervisor (If project is performed at organizations other than KTH)

1. Give resources for theoretical and practical work to perform the degree project

2. Provide supervision of practical and theoretical work

3. Provide documentation and observations for evaluation of the student, to the Main supervisor

# Role of examiner

- Verify that the student qualifies for the course

- Verify that the selected project is suitable as a master's degree project in biotechnology

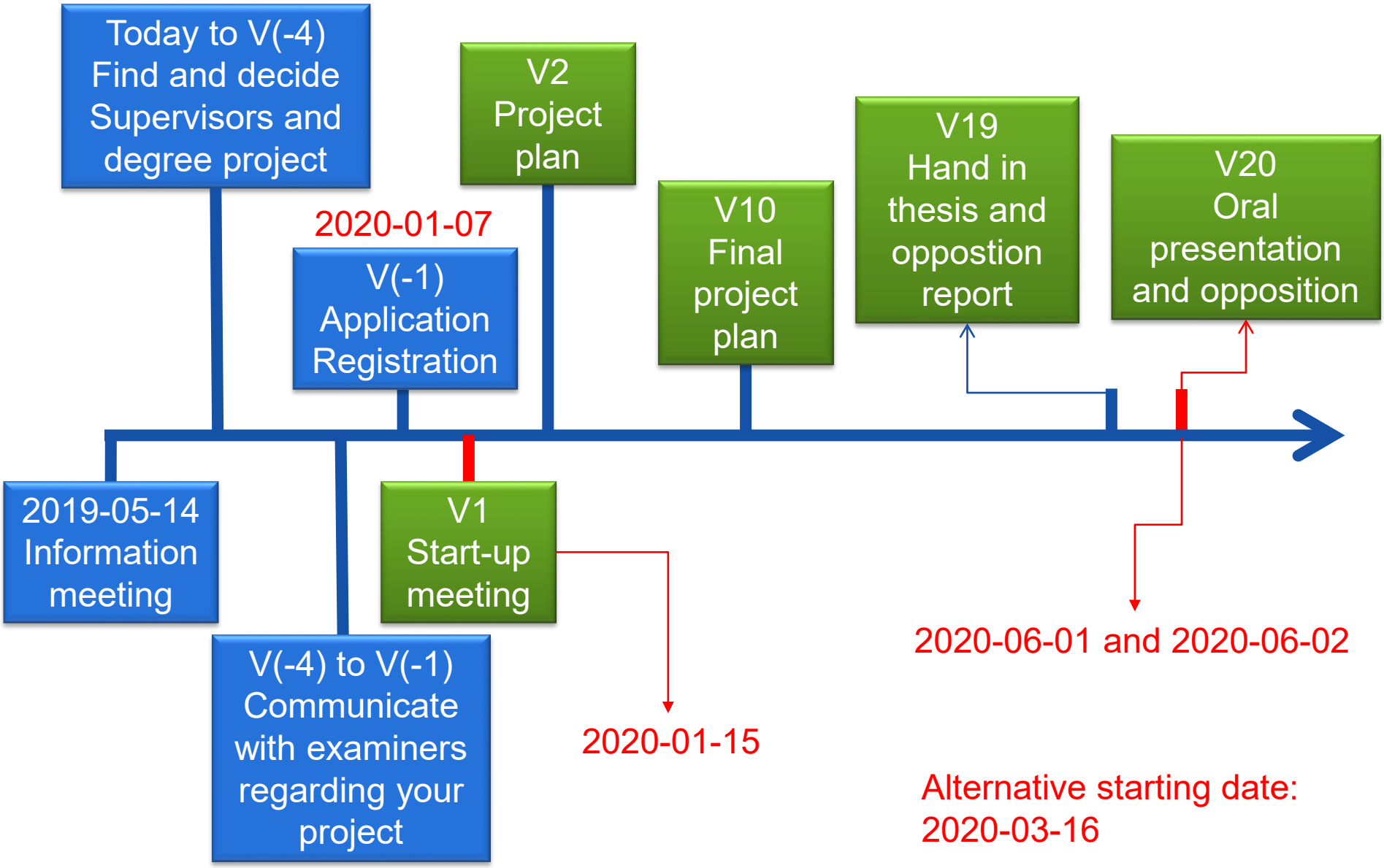
- Register start of project and final grading

- Monitor and document the student's learning process

- Setting the formal grade (P/F)

- Help the student!

# 20 weeks of full-time effort



# Application and Registration

1. Fill in “Part 1” of the application form "Application for degree project”
   https://intra.kth.se/polopoly_fs/1.577036!/UT-EXAR%20Ansökan%20om%20examensarbete%202016-11-14.pdf

2. Write a project synopsis (first verify with examiners that the subject is suitable as Biotechnology)

3. Hand in signed application form "PART 1", transcript of records, and project synopsis to the examiners (2020-01-07)

4. Examiners fill in application form “PART 2”

5. Approved as a degree project by GA

6. Registration to the course by student office

# Synopsis, should include:

- A project title
- A draft project description including the scientific question, the methods, and the expected outcome
- Contact information of main supervisor
- If the project work is performed at organizations other than KTH: contact information of external supervisor
- In the case of confidentiality issues with the project, a detailed description of these issues should be included

A template is available on Canvas

https://kth.instructure.com/courses/3299