

University of Groningen Software Engineering Information

The Software Engineering course is a mandatory course in the second year of the Computer Science bachelor's degree at the Rijksuniversiteit Groningen. The goal of the course is to facilitate university-company collaborations by giving students the opportunity to work on a real-world project. At the same time, companies benefit from a group of 4-6 skilled and experienced software engineers that build a project for them.

Practical information:

- **Timeline:** The project takes place from February to mid-June. The projects will be presented to the whole class, as well as the teaching staff, and the company, on two occasions: the minimum viable product (MVP) deadline and presentation (April), and the final presentation (June).
- **Students:** Groups are formed by the teaching team based on their skills, interests, as well as team member specifications.
- **Time investment:** The students are expected to spend around 248 hours each on the project. This corresponds to a project of reasonable to hard complexity.
- **Project nature:** The project can require a wide variety of languages and frameworks. Previous projects included web engineering, backend/frontend development, and low-level projects (working in C or assembly). These requirements can either be set by the customer, the students can be asked to investigate the most adequate framework for the project.
- **Deliverables:** Include extensive requirements and architecture documents (software engineering guidelines), software documentation, and the final codebase, which will be handed back to the customer upon completion.

What we are looking for in a project is:

- A clear vision, adequate complexity, and a new development effort, rather than maintaining an old codebase. We are also interested in a clear description of the technology stack.
- At the beginning, we expect a short (at most one page proposal) high-level description from the companies of the project you have in mind.
- Most previous companies agreed on having one meeting per week with the student groups to discuss the ongoing work.

Upload your project proposal:

Project proposals can be uploaded here <https://unico.web.rug.nl/upload>.