Course

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This course has already ended.
The latest instance of the course can be found at: **Object oriented programming with C++: 2023 Autumn**

1 Introduction¶

The software project is done in groups of four people, starting in mid-October and concluding in mid-December. A selection of topics will be offered, but you can also propose your own topic. Own topic should be similarly sized as the given topics and needs to be approved first by the course personnel. Each project group is assigned an advisor (one of course personnel), who will be available to help in the project and who will give feedback at different phases of the project.

1.1 Learning objectives¶

- Get more familiarity with C++ by designing a whole program from scratch that utilizes different C++ features

- Learn to design an object-oriented program that consists of multiple modules, developed by multiple developers

- Group work, where the strengths of each group member are taken properly into account, such that each group member will have an important role in the outcome

- Get to know about different libraries that can be used in a C++ program

- Get familiar with various important software development tools, such as Git and Make/CMake

- Reviewing and giving feedback on work made by others

1.2 Project phases¶

During the project, you are required to complete the following:

1. Project Topic and Group Assignment.

2. Submit a project plan.

3. Implement your project.

4. Submit the project documentation.

5. Review and comment other projects.

Important Dates:

- **Kick-off session:** Tuesday, October 19, 2021 at 14:15

- **Project topic/group questionnaire (deadline):** Friday, October 22, 2021 at 23:59

- **Project group distribution and confirmation:** Tuesday, October 26, 2021 at 23:59

- **Project plan submission (commit) to git (deadline):** Friday, November 5, 2021 at 23:59

- **Project final commit to git (deadline):** Friday, December 12, 2021 at 23:59

- **Project evaluation (deadline):** Friday, December 17, 2021 at 23:59