

Course Assessment Plan

- ❑ 40%: Two exams (midterm01=20%, midterm02=20%)
 - ❖ Online exams

- ❑ 30%: Three written assignments. There will be three assignments, with equal weight.

- ❑ 30%: Project
 - ❖ Five to six students form a group to carry out a research project. It can be an implementation and a comparative study of existing methods, or development of new ideas.
 - ❖ Each team will submit a proposal (10%), make a 15-minute presentation at the end of the semester (10%), and submit a project report (10%).
 - ❖ All team members will receive the same grade for the project.

Project Proposal (10%)

- ☐ Class projects account for 30% of your grade.
- ☐ Form groups of 5-6 students each.
- ☐ Each group will submit a project proposal by **09/30/2023**.
- ☐ **A list of possible projects will be posted this Friday. You are not limited by this list, and you can choose a topic of your own interest.**

Project Proposal

- ❑ Format of the proposal: the project proposal should be a 2-5 page PDF format or MS words, using 12pt times new roman font for the body, 1 inch margin on each side, on letter-size (8.5 inch by 11.0 inch).

- ❑ It should contain the following:
 - ❖ Project Title
 - ❖ Team Members (and the roles of each member)
 - ❖ Description of the problem you try to address
 - ❖ Preliminary plan (milestones)
 - ❖ References

- ❑ The proposal will be due on Canvas on **09/30/2023**.

Final Project Report (10%)

- ❑ The final project report will be due on canvas on **12/06/2023**. It should be 10-15 pages in length, consisting of the following:

- ❖ **Title and authors**
- ❖ **Introduction:** a summary of the problem, previous work, methods, and results; motivation of the work, and your contributions
- ❖ **Problem description:** a detailed description of the problem you try to address
- ❖ **Methodology:** a detailed description of the methods used
- ❖ **Results:** a detailed description of your results, and observations. It would be nice if you can add some analysis.
- ❖ **Conclusions and future work:** a brief summary of the main contributions of the project and the lessons you learn from the project, as well as a list of some potential future work.
- ❖ **References**

Project Presentation (10%)

- ❑ Each project will be allocated 15 minutes for class presentation. The presentation time depends on the number of teams formed.
- ❑ Each group should be ready for presentation by Monday, **11/20/2023**. The last four lectures starting on **11/20/2023** will be dedicated to project presentations.
- ❑ The presentation will be a description of your work for the project, along the lines of your proposal. By that time, your project should be mostly done.
- ❑ The actual presentation time for each group will be scheduled at a later time.