

ADS-MIRI: Grading

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March 4, 2020

ADS-MIRI final grade is divided into two tasks:

- a 60% of the grade comes from a Final Project (FP),
- and the other 40% comes from the Course Works and/or Home Works (HW).

The deadline (firm) to deliver all your work is June 21th 2020 (at midnight CET).

1 Final Project

The Final Project consists on the following:

1. Choose a Data Structures' topic of your interest.
2. Choose a paper, set of papers, specific data structures to work with.
3. Submit your work proposal (including the papers, the data structures, and/or the experiments you are planning to work with) for acceptance to Amalia Duch (not later than May 25th 2020), only if it is not one of the topics proposed by ADS' lecturers.
4. Give an oral presentation (on June 18th or 19th) about your FP or deliver a written document. Any version (oral or written) should contain:
 - the summary of the paper(s), data structure(s) (10%),
 - your personal evaluation on why the paper(s), data structure(s) is (are) relevant (10%),

- the design of a set of experiments to validate the main aspects of the data structure(s) (or the proof of the main theorems in case of a theoretic paper, demo) (15%),
- a critical analysis of the results of the experiments (theoretical results) (15%),
- your personal conclusions (10%).

2 Home Works

A set of exercises will be delivered (the home works) a 30% of the grade will come from choosing at least 3 of these exercises (at least one exercise per group of topics). Each exercise has to be delivered to the corresponding lecturer as a written document and it counts a 10% of the grade.

The remaining 10% comes from participation: either in class with questions, comments, contributions, in session problems with active attendance, delivering more than the required home works or (whenever it is the case) by delivering a one or two paragraphs summary of class-mates final projects oral presentations or delivering works of the following kind:

- Latex notes of a lecture topic.
- Read and summarise a research paper (on data structures).
- Implement and experimentally test one of the data structures presented at class (and not from the list of proposed data structures).
- Enrich the Wikipedia with one new data structure entry that is not or improve considerably the entry of one that appears already (copied from Erick Demaine's MIT course on ADS).

For any further doubt, question or suggestion please contact Amalia Duch.