

**Advanced Materials Modeling**  
**Homework 1, due date 21.04**  
**Topic: Introduction**

***Notes:** In multiple choice problems explain your answer. Add references if needed. Upload solution as a single file “YourName.pdf” or “YourName.zip”.*

- 1.** Give a 10-min presentation of your research project most relevant to the course using the following plan:
  - Introduce yourself (1 min)
  - Why are you interested in the course (1 min)
  - Present your most relevant research projects (3-5 min)
  - Speculate on possible final project (1-3 min)
- 2.** Submit a 1-page proposal of your final project.
- 3.** Look at the list of lectures (<https://cms-lab.github.io/edu/AMM/Schedule.htm>) and mark the most interesting from your point of view.
- 4.** Write down three extra topics you would like to hear a lecture about.