Operations Research M (Code 72935, Master's Degree Course): Rules

- **Module 1 (Mathematical Optimization, 49 hours):** Prof. Silvano Martello (DEI, 3rd floor).
  Office hours (on Teams, by appointment through e-mail): Wednesday 12:30pm-2:00pm.
- **Module 2 (Discrete Simulation, 15 hours):** Prof. Valentina Cacchiani (DEI, 3rd floor)
  Office hours (on Teams, by appointment through e-mail): Tuesday 5:00pm-7:00pm.
- emails: `silvano.martello@unibo.it`, `valentina.cacchiani@unibo.it`
  We **answer to emails only if:** they come from an official Unibo email address, and the answer is very short (< 1 line).
- Tutor for Module 1: Dr Alberto Locatelli (Università di Modena e Reggio Emilia)
  Consultation: After each exercise or by email: `alberto.locatelli@unimore.it`.
- **Home page:** `www.or.deis.unibo.it/staff_pages/martello/cvitae.html` → **Courses**
  - didactic tools (**slides**, exercises, applets, applications, ...);
  - dates of exam sessions, written test results, ...
- **Official home page:** `https://www.unibo.it/it/didattica/insegnamenti/insegnamento/2019/385358`
  Additional material available on Virtuale `https://virtuale.unibo.it/my/`
- **Lectures:** **Smart/Cellphones MUST be switched off during lectures.**
- **Assessment method:** written test, followed, if successful, by an oral test.
- **Written test: mandatory registration at Almaesami at least 2 days in advance (no excuse accepted)**
  - solution of two numerical exercises (one per module). The two exercises must be solved in the **same written test**; approximate duration 2 hours.
  - **permitted:** books, handwritten notes, printout of slides, non-programmable calculators;
  - **not permitted:** programmable calculators, mobile phones, Internet-connectable devices, photocopies from books. **If a student is caught cheating** her/his 3 point bonus will be canceled, and a negative mark will officially be registered;
  - **marked tests** only available on the settled date;
  - when the test is handed in for the first time, a **3 point bonus** is added to the mark; **written test mark** = score of the test on Module 1 + score on the test on Module 2 + bonus (the first time only).
- **Oral test** on the theoretical contents of Module 1;
  - **deadline:** given k = examination session in which a positive mark in the written test has been obtained, the oral test must be taken within examination session $k + 2$;
  - in case of failure of the oral exam, the mark obtained in the written test is preserved (within its validity window);
  - students who decline to record the obtained overall mark must repeat both the written and the oral test.
  - **permitted:** nothing. **If a student is caught cheating** her/his written test score will be canceled, and a negative mark will officially be registered.
- **Overall mark** $= \lceil \frac{2}{3}$ (written test mark) $+ \frac{1}{3}$ (oral test mark) $\rceil$.
- **Didactic tools:**
  - **textbook** (with exercise solutions): *S. Martello, Ricerca Operativa, II Edizione, Esculapio, Bologna, 2021.*
    The textbook includes the lectures of **Network Optimization M**.
    The royalties are donated to **charitable foundations**  **illegal copies are not tolerated**.
  - **slides** available at the course home page;
  - **applets** and **applications** available at the course home page;
  - **exercise solutions** available at the course home page.