HEATING, VENTILATION, AIR CONDITIONING SYSTEMS (HVAC)
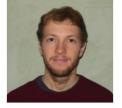
Prof. Michele De Carli
Prof. Jacopo Vivian
Eng. Marco Marigo

Persons in charge of the course:

Michele De Carli

Jacopo Vivian

Marco Marigo

Exam rules 1/2:

- Report: 8 points

Personal Report (6 points)
- Calculation of **peak power for heating** of your house
- Calculation of **peak power for cooling** of your house
- DHW consumption **energy + sizing**
- Sizing of a **radiant floor**
- Sizing and selecting an **air-to-water heat pump**
- Quality of the report

Group Report (3 points)
- Sizing/balanging of a full air system for a large building

To be uploaded in Moodle.

Exam rules 2/2:

- Exam:

• 1 long written question	7 points
• 2 short written questions (2 x 4 =)	8 points
• 1 oral question	6 points
• report	9 points
Σ	30 points

Duration of the written part: 1 hour

At the end of the written part, the oral question will start. First In First Out (the first who delivers the written answers will be the first one in answering the oral question).

Dates of the exam:

- Exams:
  - **3/6 morning: Room RH02 (official exam)**
  - **26/6 morning: Room Ce (official exam)**
  - 7/7: additional date (together with Energy & Buildings Room Fe)
  - **16/7 morning: Room De (official exam)**

  One of them

- Reports

  They should be uploaded in Moodle

  - either the 19/6 for the exams given in June

  - or the 10/7 for the exams given in July