

## MASTER OF CIVIL ENGINEERING

### EXERCISES

Because of the health emergency caused by "Coronavirus", final exam will be rescheduled. I'm in constant contact with ENSTP Director, I'll inform you as I have some news. For now, it doesn't make sense to leave you some sets of exercises to simulate the exam. Below you may find a list of Exercises taken from course Lecture Notes that I recommend to do. Most of these have been solved in class, so you may find solutions in the slides. If you want to check a solution you may give a look to slides or, if solution is not available, you may film your solution and send be by email at

parsifal@math.unipd.it

I'll give a look to your solution and write you back if it is ok or there're errors.

- **Multiple Integration** — ex 4.5.1 (all), ex 4.5.2 (all, #1,5 a bit more tricky), ex 4.5.3 (all), ex 4.5.4, ex 4.5.5, ex 4.5.6 (all), ex 4.5.7 (all, #8,9,10 more tricky), ex 4.5.8 (all), ex 4.5.9, ex 4.5.10, ex 4.5.11.
- **Surface Integration** — all exercises from 5.7.1 to 5.7.13 (included).
- **Differential Equations** — all exercises from 7.4.1 to 7.4.7 (included).
- **Systems of Differential Equations** — ex 8.7.2 (all) to 8.7.6 (included).