

Ph.D. COURSES 2018/2019
Mathematics and Models

- A [Variational Derivation of Continuum Mechanics Equations](#), (Dell’Isola–Placidi; 10 hours)
- B [Perturbation Methods for Nonlinear Dynamical Systems](#) (Luongo–D’Annibale–Zulli; 6 hours)
- C [Quantum Computation and Quantum Information](#) (several speakers, Guidoni; already finished)
- D [Control Theory and Hyperbolic Partial Differential Equations](#), (Festa; 8 hours +2 hours of laboratory)
- E [Permutation Groups and Applications to Cryptography](#) (Aragona; 10 hours)
- F [Lectures on the coupling method](#) (Gabrielli–Colangeli; 8 hours)
- G [Differential forms and application in geometry and physics](#) (Vlad Moraru; 10 hours)
- H [Wave Equations on Bounded Domains](#), (Amadori; 6 hours)
- I [Weakly Monotone Functions](#) (Carozza; 6 hours)
- L [An Introduction to Optimal Mass Transport](#) (Fagioli; 6 hours)
- M [Control of Linear Hyperbolic PDEs](#) (Guglielmi; 6 hours)
- N [An Introduction to Mathematical Theory of Control](#) (Vasile Staicu; 8 hours)

TIMETABLE

WEEK 1 (7-11 January):

Tuesday 11.30–13.30 room 1.1 A; 15.30–17.30 room 1.1 E
Wednesday 11.30–13.30 room 06 E; 15.30–17.30 room 1.1 A
Thursday 11.30–13.30 room 1.1 E; 15.30–17.30 room 1.1 A

WEEK 2 (14-18 January):

Monday 14.30–16.30 room 1.1 A
Tuesday 11.30–13.30 room 1.1 N; 15.30–17.30 room 1.1 N
Wednesday 11.30–13.30 room 1.1 A; 15.30–17.30 room 1.1 G
Thursday 11.30–13.30 room 0.6 N; 15.30–17.30 room 0.6 N
Friday 10–12 room 1.1 G

WEEK 3 (21-25 January):

Tuesday 11.30–13.30 room 1.1 E; 15.30–17.30 room 1.1 I
Wednesday 11.30–13.30 room 1.1 E; 15.30–17.30 room 1.1 I
Thursday 11.30–13.30 room 1.1 I; 15.30–17.30 room 1.1 G

WEEK 4 (28 January-1 February):

Tuesday 11.30–13.30 room 1.1 L; 15.30–17.30 room 1.1 F
Wednesday 11.30–13.30 room 1.1 G; 15.30–17.30 room 1.1 L
Thursday 11.30–13.30 room 0.6 F; 15.30–17.30 room 0.6 B

WEEK 5 (4-8 February):

Tuesday 11.30–13.30 room 1.1 B; 15.30–17.30 room 1.1 F
Wednesday 11.30–13.30 room 1.1 L; 15.30–17.30 room 1.1 G
Thursday 11.30–13.30 room 1.1 F; 15.30–17.30 room 1.1 D
Friday 10–12 room 1.1 H

WEEK 6 (11-15 February):

Tuesday 11.30–13.30 room 1.1 B; 15.30–17.30 room 1.1 H

Wednesday 11.30–13.30 room 1.1 D; 15.30–17.30 room 1.1 M

Thursday 11.30–13.30 room 1.1 D

WEEK 7 (18-22 February):

Monday 14.30–16.30 room 1.1 H

Tuesday 11.30–13.30 room 1.1 D; 15.30–17.30 room 1.1 M

Wednesday 11.30–13.30 room 1.1 M;

NOTES

- Note that the times are always the same while the room may change from one week to the other
- Every week we have the room 1.1 reserved on Monday 14.30–16.30 and on Friday 10–12. These hours can be used for extra activities or to recuperate lost lectures.
- Only one among the courses H, I, L, M, N is mandatory. Every student can choose the one that prefers.