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 Criptography (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):
Monday 14.30–16.30 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
Friday 10.00–12.00 room 1.1 L

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 D; 15.30–17.30 room 1.1 G
Thursday 11.30–13.30 room 1.1 F; 15.30–17.30 room 1.1 L

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;
Thursday 11.30–13.30 room 1.1 D

WEEK 7 (18-22 February):
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;

WEEK 8 (25-February–1 March)
Wednesday February 27, 11:30-13:30 room laboratorio didattica/ mat. applicata; H
Friday March 1, 11.30-13.30 room laboratorio didattica/ mat. applicata; H

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.