

International Doctorate in Civil and Environmental Engineering

DOCTORAL COURSE

Elementi di dinamica non lineare

Teacher: Dr. **Maria Girardi**

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Calendar

07/07/2020 10,00-12,00 – ON LINE COURSE	Introduction and preliminary remarks.
09/07/2020 10,00-12,00 – ON LINE COURSE	Perturbation methods for solving nonlinear dynamical problems
13/07/2020 10,00-12,00 – ON LINE COURSE	Nonlinear oscillations of single-degree-of-freedom systems
15/07/2020 10,00-12,00 – ON LINE COURSE	Continuous systems: the beam
16/07/2020 10,00-12,00 – ON LINE COURSE	Analytical and numerical applications
Total	10 hours – 5 credits

Program

This course provides students with some notions related to the dynamic behaviour of nonlinear mechanical systems and the methods used in the solution of the corresponding equations of motion.