Third quarter courses at Scuola Superiore Meridionale

MPHS area

- **Physics of matter from the zepto-scale to the macro-scale**  
  Lecturer: Prof. Marrucci, Prof. Ambrosino, Prof. Fazio  
  Email: lorenzo.marrucci@unina.it, Fabio.Ambrosino@na.infn.it, rosario.fazio@unina.it  
  Teaching mode: in-person (Aula 1) | Hours: 24  
  Team code: 88m1u9q  
  Start date: 07 March 2022 | 6-week course duration  
  Course days: Tuesday – Thursday 11h-13h  
  Note: there will be no lesson on 22 March

SPACE area

- **Introduction to Cosmology**  
  Lecturer: Prof. Matarrese  
  Email: sabino.matarrese@pd.infn.it  
  Teaching mode: online | Hours: 24  
  Team code: 8cgxwel  
  Start date: 14 March 2022  
  Course days: Monday -Wednesday 9h-11h  
  Note: there will be no lessons on 18/04 and 25/04 due to a national holiday.

- **Introduction to Astrophysics**  
  Lecturer: Prof. Della Valle  
  Email: massimo.dellavalle@inaf.it  
  Teaching mode: online | Hours: 24  
  Team code: mjkjfwz  
  Start date: 28 March 2022  
  Course days: Monday 14h-16h and Tuesday 9h-11h  
  Note: there will be no lessons on 18/04 and 25/04 (due to a national holiday) and 2-3/05

- **Introduction to Deep Learning**  
  Lecturer: Prof. Poggi and Dr. Gragnaniello  
  Email: poggi@unina.it, diego.gragnaniello@unina.it  
  Teaching mode: online | Hours: 24  
  Team code: kj13pgl  
  Start date: 14 March 2022  
  Course days: Monday 11h-13h and Wednesday 13h-15h  
  Note: there will be no lessons on 18/04 and 25/04 due to a national holiday.
• **Introduction to astro-particle and particle physics**  
  Lecturer: Prof. Vissani  
  Email: francesco.vissani@lngs.infn.it  
  Teaching mode: in-person (Aula 1) | Hours: 24  
  Team code: 9cz9x96  
  Start date: 14 March 2022  
  Course days: Wednesday 15h-17h and Thursday 9h-11h

**MERC area**

• **Introduction to Reinforcement Learning and Data-Driven Control for Complex Systems**  
  Lecturer: Mirco Musolesi (with seminar lectures by Giovanni Russo)  
  Email: m.musolesi@ucl.ac.uk (and giovarusso@unisa.it)  
  Teaching mode:  
  - week 1, 3, 4: In person (Classroom 4 at SSM) and online on Teams  
  - week 2: online on Teams  
  Hours: 24  
  Team code: uvya7tk  
  Start date: 21 March 2022  
  Timetable: [Available here](#)

• **Performance-Based Seismic Risk Analysis of Complex Infrastructural Systems**  
  Lecturer: Iunio Iervolino  
  Email: iunio.iervolino@unina.it  
  Teaching mode: In person (Classroom 4 at SSM) and online on Teams | Hours: 24  
  Team code: twmhdas  
  Start date: 07 March 2022  
  Timetable: [Available here](#)

• **Risk Analysis of Chemical Processes**  
  Lecturers: Almerinda Di Benedetto, Roberto Andreozzi, Ernesto Salzano  
  Email: almerinda.dibenedetto@unina.it, roberto.andreozzi@unina.it, ernesto.salzano@unibo.it  
  Teaching mode: In person (Classroom 4 at SSM) and online on Teams | Hours: 25  
  Team code: s1l3v1r  
  Start date: 07 March 2022  
  Timetable: [Available here](#)