

Fourth quarter courses at Scuola Superiore Meridionale

SPACE area

- [Quasars as cosmological probes](#)
Lecturer: Prof. Risaliti
Email: guido.risaliti@unifi.it
Teaching mode: in person (Aula 1) | Hours: 12
Team code: **7g8qb3h**
Start date: 11 May 2022 | 2-week course duration
Course days: Wednesday 14:00-17:00, Thursday 9:00-12:00
Note: On 12 May the lecture will be held 9h-11h in Aula4 and 12h-13h in Aula1
- [Relativistic position as a way of probing gravitational field](#)
Lecturer: Prof. Fatibene
Email: lorenzo.fatibene@unito.it
Teaching mode: in person (Aula 1) and online | Hours: 12
Team code: **ei008m6**
Start-End date: 9 May 2022 | 2-week course duration
Course days: Monday 14h-16h, Tuesday- Wednesday 11h-13h, Thursday 15:30-17:30
Note: Dates refer to the 8 hours of frontal lectures. The additional 4 hours are held on the 18th at 11h-13h and 23th at 11h-13h.
- [Standard Model of Fundamental Interactions](#)
Lecturer: Prof. Sannino
Email: francesco.sannino@unina.it
Teaching mode: online | Hours: 12
Team code: **c3x669m**
Start date: 23 May 2022 | 2-week course duration
Course days: Monday 14h-16h, Tuesday - Wednesday 11h-13h
- [Observational Cosmology](#)
Lecturer: Dr. Benetti
Email: micol.benetti@gmail.com
Teaching mode: in person (Aula 4) | Hours: 12
Team code: **8ezkbz0**
Start date: 24 May 2022 | 3-week course duration
Course days: Tuesday 16h-18h, Wednesday 15h-17h

MPHS area

- **Micromagnetism**

Lecturer: Prof. Thomas Schrefl

Email: thomas.schrefl@donau-uni.ac.at

Teaching mode: in person | Hours: 10

Team code: **8nd9x4y**

Start date: 02 May 2022 | 1-week course duration

Course days: Monday 09h-11h, Tuesday to Friday 11h-13h

Note: see the calendar at the [link](#)

- **Fundamentals of Computational Fluid Dynamics**

Lecturer: Prof. Alessandro Veneziani

Email: avenez2@emory.edu

Teaching mode: online | Hours: 24

Team code: **tjpnzcf**

Start date: 02 May 2022 | 6-weeks course duration

Course days: Monday and Wednesday 15h-17h

Note: The course will take place in the first four weeks of May, then it will resume right after the 12 of June. See the calendar at the [link](#)

- **Nonlinear Computational Solid Mechanics**

Lecturer: Prof. Ferdinando Auricchio

Email: auricchio@unipv.it

Teaching mode: in person | Hours: 24

Team code: **nsplp2e**

Start date: 05 May 2022 | 6-weeks course duration

Course days: Check the timetable

Note: see the calendar at the [link](#)

- **Molecular Thermodynamics of Materials: An Introduction**

Lecturer: Prof. Francesco Greco, Prof. Giuseppe Milano, Dr. Antonio De Nicola

Email: francesco.greco@unina.it, giuseppe.milano@unina.it, antonio.denicola@unina.it

Teaching mode: in person | Hours: 28

Team code: **btcxqbf**

Start date: 20 May 2022 | 7-weeks course duration

Course days: Wednesday and Friday 09h-11h from 20 May to 24 June, then Tuesday and Wednesday 09h-11h

Note: see the calendar at the [link](#)

MERC area

- [Fundamentals of Natural Hazard Forecasting](#)

Lecturer: Prof. Warner Marzocchi

Email: warner.marzocchi@unina.it

Teaching mode: in person | Hours: 24
Start date: 2 May 2022 | 6-weeks course duration
Course days: timetable available [here](#)

Team code: **jowpzj3**

- **[Stochastic differential equations and singular stochastic control](#)**

Lecturer: Prof. Tiziano De Angelis

Email: tiziano.deangelis@unito.it; tiziano.deangelis-ssm@unina.it

Teaching mode: in person | Hours: 24

Start date: 11 May 2022 | 3-weeks course duration

Course days: timetable available [here](#)

Team code: **43fsbml**

- **[Short-term forecasting of heavy hydrogeological events](#)**

Lecturer: Prof. Gianfranco Urciuoli; Prof. Luciano Picarelli

Email: gianurci@unina.it; luciano.picarelli@unicampania.it

Teaching mode: in person | Hours: 12

Start date: 24 May 2022 | 3-weeks course duration

Course days: timetable available [here](#)

Team code: **bd9cgun**

- **Earthquake early warning systems**

Lecturer: Prof. Aldo Zollo

Email: aldo.zollo@unina.it

Teaching mode: in person | Hours: 12

Start date: after 20 June 2022 (*tbd*)

Course days: *tbd*

Team code: *available soon*

MOSES area

- **Astrochemistry (second part)**

Lecturer: Prof. Vincenzo Barone, Dr. Marco Mendolicchio

Email: vincenzo.barone@sns.it

Teaching mode: in person and online | Hours: 24

Start date: 02 May 2022 | 6-weeks course duration

Course days: Monday 9:30-11:30, Thursday 15:00-17:00. Seminars on June 6-8.

- **Medicinal Physical Chemistry (second part)**

Lecturer: prof. Concetta Giancola, Prof. Giordano Mancini

Email: concetta.giancola@unina.it, giordano.mancini@sns.it

Teaching mode: in person and online | Hours: 24

Start date: 05 May 2022 | 6-weeks course duration

Course days: Thursday 11:00-13:00, Friday 14:30-16:30

- **Experimental and theoretical chemistry for sustainable materials**

Lecturer: Prof. Giovanni Talarico, Prof. Nadia Rega

Email: talarico@unina.it, nadrega@unina.it

Teaching mode: in person and online | Hours: 24

Start date: 02 May 2022 | 6-weeks course duration

Course days: Monday 14:00-17:00, Wednesday 16:00-18:00