

SPACE Area Courses (AA 2021-2022)

- **Introduction to General Relativity (PILLAR)**
Lecturer: Prof. Capozziello
Email: salvatore.capozziello@unina.it
Teaching mode: frontal lessons | Period: November-December | Hours: 24
- **Electromagnetic Fields at PhD (PILLAR)**
Lecturer: Prof. Riccio
Email: daniele.riccio@unina.it
Teaching mode: online | Period: January - February | Hours: 24
- **Statistical Mechanics: from basic concepts to applications in Complex Systems, Astrophysics and beyond (PILLAR)**
Lecturer: Prof. Nicodemi
Email: nicodem@na.infn.it
Teaching mode: online | Period: January - February | Hours: 24
- **Introduction to Quantum Mechanics (PILLAR)**
Lecturer: Prof. Miele
Email: gannaro.miele@unina.it
Teaching mode: frontal lessons | Period: January - February | Hours: 24
- **Spacecraft Attitude Control via Momentum Exchange Devices (PILLAR)**
Lecturer: Prof. Bevilacqua
Email: bevair@ufl.edu
Teaching mode: frontal lessons | Period: January - February | Hours: 24
- **Introduction to Cosmology (PILLAR)**
Lecturer: Prof. Matarrese
Email: sabino.matarrese@pd.infn.it
Teaching mode: online | Period: March - April | Hours: 24
- **Introduction to Astrophysics (PILLAR)**
Lecturer: Prof. Della Valle
Email: massimo.dellavalle@inaf.it
Teaching mode: online | Period: March - April | Hours: 24
- **Introduction to Deep Learning (PILLAR)**
Lecturer: Prof. Poggi and Dr. Gragnaniello
Email: poggi@unina.it , diego.gragnaniello@unina.it
Teaching mode: online | Period: March - April | Hours: 24

- **Introduction to Astroparticle Physics (PILLAR)**
Lecturer: Prof. Vissani
Email: francesco.vissani@lngs.infn.it
Teaching mode: frontal lessons | Period: March - April | Hours: 24
- **Quasar as cosmological probes**
Lecturer: Prof. Risaliti
Email: guido.risaliti@unifi.it
Teaching mode: online and frontal lessons | Period: May - June | Hours: 12
- **Standard Model of Fundamental Interactions**
Lecturer: Prof. Sannino
Email: sannino@cp3.sdu.dk
Teaching mode: frontal lessons | Period: May - June | Hours: 12
- **Observational Cosmology**
Lecturer: Dr. Benetti
Email: micol.benetti@unina.it
Teaching mode: frontal lessons | Period: May - June | Hours: 12
- **Relativistic position as a way of probing gravitational field**
Lecturer: Prof. Fatibene
Email: lorenzo.fatibene@unito.it
Teaching mode: online and frontal lessons | Period: May - June | Hours: 12