



# *Dipartimento di Scienze e Tecnologie*

2017/2018

**COURSE in SCIENZE GEOLOGICHE  
TEACHING in SISTEMA TERRA - MODULO B: GEOGRAFIA FISICA  
(PHYSICAL GEOGRAPHY)**

**Prof. Alessio VALENTE**

**Earth in the space:** The structure and the evolution of the Universe (galaxies and stars) and Solar System (Sun, planet and minor astronomical object). Movements of Earth: orbit and rotation. Time on Earth. The Moon (characters, movements, lunar phases and eclipse).

**Earth Hydrologic System:** The Atmosphere: structure and composition. Solar Radiation and Heat budget. Air temperature. Atmospheric pressure, winds and circulation patterns. Moisture and precipitation. Air Masses and weather systems.

The waters on the Earth (sea, surface and subsurface). Hydrologic cycles and global water budget. Characters and movements of sea water (waves, tides and currents).

Classifying Climates (parameters and factors). The distribution of Climate Types in Koeppen system. Biome: definition and distribution.