



Syllabus

Term: 2026/27/1 **Subject name:** Introduction to Astronomy **Subject code:** AFOLNA0701

Unit (Unit code) Institute of Geography and Earth Sciences (FOLDRAJZ)

Lecturer responsible for the course: Dr. GYENIZSE Péter

Requirement: Exam

Classes per week : 2/0/0

Classes per term: 26/0/0

Purpose of education:

To know the fundamentals of the astronomy: The history of the development of astronomy, the basics of the astronomical geography: like orientation and navigation star constellation. Coordinate systems About the solar system: planet Earth shape, size, and movements, terrestrial and Jovian planets characteristics, the origin and the development of Solar System, small celestial bodies, moons , asteroids, comets. The Sun as a star basics about other stars, galaxies. The origin of the Universe.

Contents:

Week 1 The history of astronomy I Week 2 The history of astronomy II Week 3 Spherical astronomy Week 4 Coordinates and the calendar Week 5 Planet Earth Week 6 The Earth movements and its effects Week 7 The Moon Week 8 The Sun Week 9 The Solar system I Week 10 The Solar system II Week 11 Stars and Galaxies Week 12 The origin and development of the Universe Week 13 Space research, Men in the Space

System of examing and valuation:

Written exam.

Bibliography:

Chaisson, E. and McMillan, S. (2010). Astronomy:A Beginner's Guide to the Universe. London: Pearson.

Bibliography: