

367SM PLANETS AND ASTROBIOLOGY

Aims

The main goals of this course are to introduce the physics of planets and planetary systems and provide a general background on astrobiology, with special emphasis on planetary habitability and search for biomarkers in planetary atmospheres. The Solar System will be used as reference for introducing the study of extrasolar planetary systems. Most of the methods described in the course are experimental rather than theoretical. In particular, part of the lessons will be dedicated to introduce the observation methods of extrasolar planets.

Teaching Format

Frontal lessons

Assessment

Oral examination consisting of a 15 minutes presentation of one of the topics of the course, chosen by the student, followed by questions and answers aimed at verifying the general preparation and understanding of the rest of the program treated in the course.