

## Study Recommendation for the Focus Astronomy/Astrophysics (M.Sc. Physics)

### Recommended during the B.Sc. studies prior to the M.Sc. phase

5th term – Introduction to Astronomy

6th term – B.Sc. thesis in Astronomy/Astrophysics

### Recommended at the beginning of the M.Sc. studies

Taking one of the two specializations:

- Observational/Experimental Astronomy/Astrophysics (Prof. Neuhäuser)
- Theoretical Astronomy/Astrophysics (Prof. Krivov)

### Recommended Plan of Study

Term	Both specializations	Observational Astrophysics (OA)	Theoretical Astrophysics (TA)
1st winter term (1st oder 2nd M.Sc. term)	Physics of Stars (8)	Propedeutic Seminar OA** (4)	Celestial Mechanics (6)
1. summer term (2nd oder 1st M.Sc. term)	Physics of Planetary Systems (8) Astronomical Practical Course (6)	Observing Techniques (6)	Propedeutic Seminar TA** (4)
3rd term	Introduction to Research Work* (15) Project Planning* (15)	Specialization lecture (6) Seminar Observations or Terra-Astronomy	Specialization lecture (6) Seminar Dust, Small Bodies, and Planets
4th term	M.Sc. Thesis* (30)	Specialization lecture (6) Seminar Observations or Terra-Astronomy	Specialization lecture (6) Seminar Dust, Small Bodies, and Planets

*The lecture and seminar courses during the first two terms are offered each year (credit points in parentheses).*

*The lecture and seminar courses marked with \* are mandatory and must be attended.*

*Of the two seminars marked with \*\*, one must be attended.*

### Lectures for Specialization

- Cosmology (6)
- Extragalactic Astronomy (6)
- History of Astronomy (6)
- Laboratory Astrophysics (6)
- Milky Way (6)
- Neutron Stars (6)
- Radioastronomy (6)
- Solar System (6)
- Terra-Astronomy (6)

*As a rule, these lectures are offered either annually or bi-annually.*

*The teaching and research staff of the AIU will be happy to give individual advice about which courses are useful for your Masters' thesis.*