

# Compulsory Astrophysics I - astro810

<i>Module No.</i>	<b>astro810</b>
<i>Category</i>	Required
<i>Credit Points (CP)</i>	12
<i>Semester</i>	1.

## Module: Compulsory Astrophysics I

*Module Elements:*

Nr	Course	Course No.	CP	Artkurz	Teaching hours	Semester
1	Stars and Stellar Evolution or specific: Stellar Structure and Evolution	astro811	6	Lect. + ex.	3+1	WT
2	Cosmology	astro812	6	Lect. + ex.	3+1	WT

## Requirements for Participation:

**Form of Examination:** written examination

**Content:** The module represents the fundamentals of the phases of stars and stellar evolution and the knowledge about our cosmological model

## Aims/Skills:

The student shall acquire deeper understanding of the workings of stars and their evolution, in particular of important transitory phases of evolution, and shall be able to understand the origin of stars related with the location of their parameters in the HRD.

The student shall acquire deep understanding of the foundation of our world models and of their consequences, with special emphasis on the formation of structures in the universe and its physical and observational consequences

**Course achievement/Criteria for awarding cp's:** successful work with the exercises

**Length of Module:** 1 semester

**Maximum Number of Participants:** ca. 100

**Registration Procedure:** s. <https://basis.uni-bonn.de> u. <http://bamawww.physik.uni-bonn.de>

**Note:**