

Compulsory Astrophysics II - astro820

<i>Module No.</i>	astro820
<i>Category</i>	Required
<i>Credit Points (CP)</i>	12
<i>Semester</i>	2.

Module: Compulsory Astrophysics II

Module Elements:

Nr	Course	Course No.	CP	Artkurz	Teaching	
					hours	Semester
1	Astrophysics of Galaxies	astro821	6	Lect. + ex.	3+1	ST
2	Physics of the Interstellar Medium	astro822	6	Lect. + ex.	3+1	ST

Requirements for Participation:

Form of Examination: written examination

Content: This module presents both, theoretical aspects, as well as the detailed properties of the major building blocks of cosmic structure, viz. galaxies. The fundamentals of the physics of the interstellar medium are conveyed, along with the tools used to study its properties

Aims/Skills: The student shall acquire knowledge about the properties of galaxies, including their formation and their evolution, based on knowledge of the constituent matter (stars, gas, dark matter). The fundamentals of stellar dynamics are also conveyed. Physical processes relevant for the study of the interstellar medium have to be understood including the basic methods of measurements and their interpretation of the fundamental phases of the ISM

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: