

## Stellar and Solar Coronae - astro851

<i>Course</i>	Stellar and Solar Coronae
<i>Course No.</i>	astro851

Category	Type	Language	Teaching hours	CP	Semester
Elective	Lecture with exercises	English	2+1	4	ST

### Requirements:

### Preparation:

**Form of Testing and Examination:** Requirements for the examination (written or oral): successful work with the exercises

**Length of Course:** 1 semester

**Aims of the Course:** The student shall gain thorough knowledge of activity phenomena exhibited by the sun and other stars

**Contents of the Course:** Sunspots and solar corona; Solar cycle; The Dynamo theory; Emission mechanism; Coronal loops; Magnetic reconnection; Flares; Magnetic stellar activity; Mapping star-spots: Doppler imaging; Radio coronae

**Recommended Literature:** Literature references will be provided during the course

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