**Module title**  
Theoretical Astrophysics

**Abbreviation**  
11-AST-092-m01

**Module coordinator**  
Managing Director of the Institute of Theoretical Physics and Astrophysics

**Module offered by**  
Faculty of Physics and Astronomy

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>numerical grade</td>
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<thead>
<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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<tbody>
<tr>
<td>1 semester</td>
<td>graduate</td>
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**Contents**  
Theoretical Astrophysics, models for the description of complex observation results, numeric simulations.

**Intended learning outcomes**  
The students have basic knowledge of the methods of Theoretical Astrophysics. They are able to design complex observations and to test the models with the help of simulations.

**Courses** (type, number of weekly contact hours, language — if other than German)  
R + V (no information on SWS (weekly contact hours) and course language available)

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)  
written examination (approx. 120 minutes)

**Allocation of places**  
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**Additional information**  
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)  
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**Module appears in**  
Bachelor' degree (1 major) Physics (2010)  
Bachelor' degree (1 major) Physics (2012)  
Bachelor' degree (1 major) Mathematical Physics (2009)  
Bachelor' degree (1 major) Mathematical Physics (2012)  
Master's degree (1 major) Physics (2010)  
Master's degree (1 major) Physics (2011)  
Master's degree (1 major) Mathematical Physics (2012)  
Master's degree (1 major) FOKUS Physics (2010)  
Master's degree (1 major) FOKUS Physics (2011)  
Master's degree (1 major) FOKUS Physics (2006)