

# MASTER OF ASTROPHYSICS (PSO 2023)

Module structure overview (see page 2 for explanations)

Semester 1:

<b>A</b>	<b>P 1</b>	Lecture: <b>Introduction to Advanced Astrophysics</b>	9 ECTS
<b>B</b>	<b>P 2</b>	<b>Astrophysical Basic Lab</b>	9 ECTS
<b>C</b>	<b>P 3</b>	Lecture: <b>Basic Research Methods and Tools</b>	6 ECTS
<b>D</b>	<b>WP 1–14</b>	<b>Physics Lecture: _____</b>	6 ECTS

Semester 2: 30 ECTS points from your individual selection from the following modules:

- Lectures (9 ECTS) from WP 18–21,      • Lectures (6 ECTS) from WP 22–28,
- a Seminar (WP 15; 3 ECTS),              • an Advanced Lab (WP 16 *xor* 17; 9 ECTS)

Note: Each individual module can be used only once!

<b>E</b>	<b>WP</b> _____	ECTS
<b>F</b>	<b>WP</b> _____	ECTS
<b>G</b>	<b>WP</b> _____	ECTS
<b>H</b>	<b>WP</b> _____	ECTS
<b>I</b>	<b>WP</b> _____	ECTS

Semester 3:

<b>J</b>	<b>WP 29–35</b>	<b>Elective Lecture Astrophysics</b>	6 ECTS
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**WP 36/37** Scientific Working Methods 12 ECTS

**WP 38/39** Scientific Project Planning 12 ECTS

Semester 4:

**WP 40/41** Master's Thesis 30 ECTS

(The modules WP 36–41 are part of the Master Project)

# Explanations and Notes

This is only a short summary of the most important rules. For complete and detailed information, consult the description on the webpage

<https://www.physik.lmu.de/en/studies/study-programs/msc-astrophysics/index.html>  
and the official *Examination and Study Regulations* [Prüfungs- und Studienordnung: PSO2023].

- The distribution of the modules to the different semesters is our recommendation; you can change the sequence, if you want. However, **we strongly recommend that you do the mandatory introductory courses (especially modules P1 and P3) as early as possible (ideally in your first semester)!**

Students are expected to successfully complete all modules until the end of their 5th semester; only under certain conditions a maximum study duration of 6 semesters is possible (for details see §11, Abs. 5, Satz 2 of the Examination and Study Regulations).

- **Each module can be used only once.** For example, if you have successfully attended a seminar for WP 15, any further WP 15 seminars you might attend will not count.
- If you fail in an exam for a module, you can repeat the exam the next time the module is offered.  
However, once you have passed the exam for a module, it is **not possible** to repeat the exam (for example, because you are not content with the grade).
- For Module WP 1–14 (Physics Lecture) you have to select a 6 ECTS lecture from the specified *Master Physics* program of the Physics Faculty. Note that you can **not** use an Astrophysics Special Lecture (WP 22–28, 29–35) for WP 1–14!
- The *Master Project* is a one-year project consisting of two phases:
  - a half-year long *Preparation Phase* (WP 36/37 & WP 38/39), followed by
  - a half-year long *Work Phase* (WP 40/41) for the Master's Thesis.

The Master's Thesis (Module WP 40/41) **must be registered in the examination office before the start date.** For this, you need to hand in the official registration form signed by your advisor.

The duration of Module WP 40/41 is 23 weeks. Including 3 weeks vacation, the deadline for the submission of the thesis is thus 26 weeks after the date of registration.

If you want to do an *external* Master Project, you need an **explicit permission from the examination office before the start of the Preparation Phase.**

- Before handing in your module certificates at the examination office, please mark each certificate with the appropriate letter (A, B, C, ...) as listed in green in the first column of the table.