



AstroMundus Partner Universities:

- Institute of Astro and Particle Physics, University of Innsbruck, Austria (Coordinating Institution)
- Department of Astronomy, Faculty of Mathematics, University of Belgrade, Serbia.
- Department of Physics, Institute for Astrophysics, University of Goettingen, Germany.
- Department of Astronomy, University of Padua, Italy.
- Department of Physics, University of Rome "Tor Vergata", Italy.



International Master Degree in Astronomy and Astrophysics

Organization of the Master Course:

Start: September 2010

I Semester: University of Innsbruck

II Semester: University of Padova or University of Rome (at choice)

III Semester: Universities of Rome, Goettingen, or Belgrade (at choice)

IV Semester: Master Thesis any of the 5 Universities at choice, with possible co-supervision by different partner institutes

The programme is conducted in the English Language and is equivalent to 120 ECTS credits (European Credit Transfer System).

Main research topics within the AstroMundus Partnership:

- * Galactic Astrophysics (the Sun and the Solar system, the Milky Way, stellar evolution, the interstellar medium);
 - * Extrasolar planets;
 - * Extragalactic Astrophysics (galaxies, galaxy evolution, galaxy clusters, intra-cluster medium, star formation);
 - * Active Galactic Nuclei (including accretion theory, relativistic jets, modelling);
 - * Cosmology (including observational cosmology, galaxy surveys, gravitational lensing, very early universe);
 - * Astroparticle Physics;
 - * Gravitational waves;
 - * Observational astrophysics from the ground and from space;
 - * Computational astrophysics (N-body simulations, magneto-hydrodynamical simulations);
 - * Particle Cosmology;
- ...and many more!

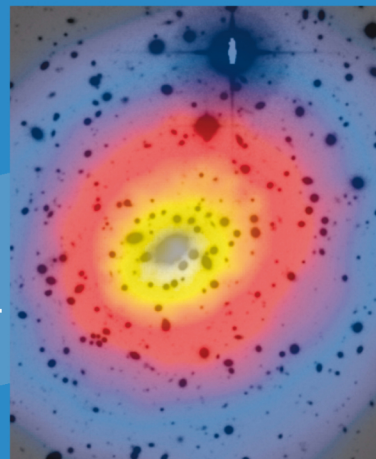
Application deadlines for the Master Course starting in September 2010 are:

December 31st 2009 for Third Country students.

April 30th 2010 for European students.

Applications must be submitted in electronic form at:

<http://www.astromundus.eu>



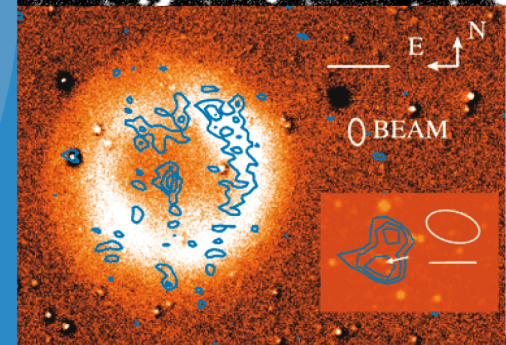
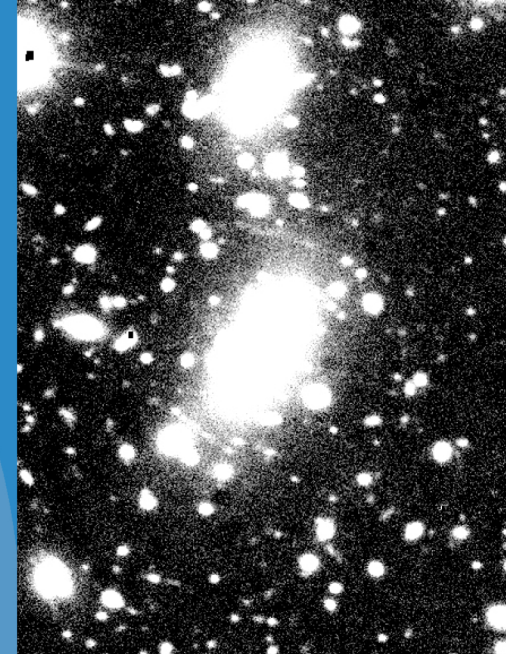
Are you a highly motivated student with a great passion for Astrophysics?

Are you interested in continuing your studies and obtaining your Master degree in a stimulating and scientifically excellent international environment? Then, AstroMundus, the Erasmus Mundus Masters Course "Astrophysics" is the right choice for you!

We are now accepting applications from top-ranked students of all nationalities that are already holding a Bachelor degree in Physics, Astronomy, or Astrophysics. AstroMundus is a two-years Master Course in Astronomy and Astrophysics that is developed within a partnership of five Universities in four different countries, Austria, Italy, Germany, and Serbia. It offers an excellent educational level in all branches of Astrophysics, as insured by the wide variety of expertise in the field covered by our international partnership. Successful applicants will carry out their Master studies in at least two and up to four countries within the AstroMundus partnership and will be awarded a Joint Master Degree by all the partner institutions they have visited during their studies.

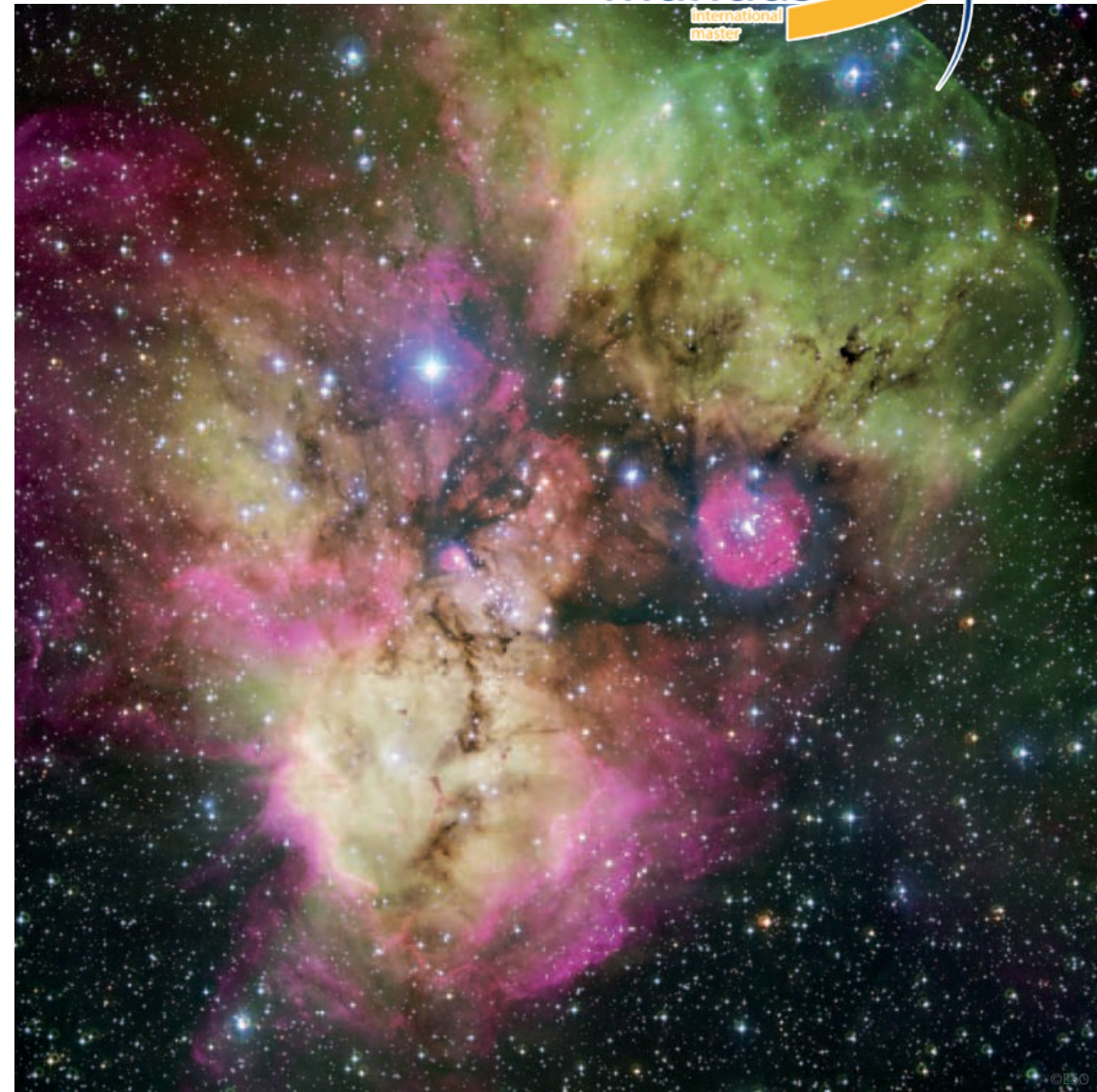
For further information and submission of your application, please visit the AstroMundus web-site:

<http://www.astromundus.eu>



International Master's Degree in Astronomy and Astrophysics

<http://www.astromundus.eu/>



Education and Culture DG
Lifelong Learning Programme

Applications can be submitted via <http://www.astromundus.eu/>.
Applications for the course starting in Sept. 2012 should be submitted no later than Nov. 30th, 2011.

AstroMundus is a 2-year master's course in astronomy and astrophysics in the framework of the ERASMUS MUNDUS Programme of the EU.

The course is open to students of all nationalities. It is offered by a graduate school partnership of five universities in four different countries: University of Innsbruck, Austria, University of Padova, and University of Rome Tor Vergata, Italy, University of Göttingen, Germany and University of Belgrade, Serbia. It provides outstanding education in all branches of astrophysics. The teaching language is English.

Students will carry out their studies at two or more of the partner universities. They will obtain a joint degree by all the universities they have studied at.

The 2-year course programme is divided into 4 semesters with the following sequence:

1st Semester: University of Innsbruck

2nd Semester: Universities of Padova or Rome Tor Vergata

3rd Semester: Universities of Göttingen, Belgrade or Rome Tor Vergata

4th Semester: Master's thesis at one of the five universities

A number of fellowships are available: 32,000 € for non-European students and 12,000 € for students from EU, Iceland, Norway, and Liechtenstein. The fellowships cover the whole duration of 2 years. Students who have been

selected for a fellowship do not have to pay tuition fees. Student housing at the different sites will be organised.

Topics covered by the course include:

- Galactic astrophysics (Sun and Solar system, Milky Way, stellar evolution, interstellar medium)
- extrasolar planets
- extragalactic astrophysics (galaxies, galaxy evolution, galaxy clusters, intra-cluster medium)
- active galactic nuclei (including accretion theory, relativistic jets)
- cosmology (including observational cosmology, galaxy surveys, gravitational lensing, very early universe)
- astroparticle physics
- gravitational waves
- observational astrophysics (ground-based and space-based)
- computational astrophysics (N-body simulations, hydrodynamic simulations, magneto-hydrodynamic simulations)
- particle cosmology

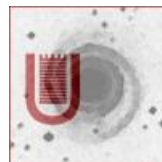
There are internationally renowned experts on all these subjects in the partnership.



AstroMundus

International Master's Degree in Astronomy and Astrophysics

AstroMundus is a 2-years Erasmus Mundus Master's course in Astronomy & Astrophysics (120 ECTS) offered by a consortium of five universities in four different countries: Austria, Italy, Germany & Serbia



This project has been funded by the European Commission through the Erasmus Mundus Programme. This flyer reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

www.astromundus.eu

AstroMundus

AstroMundus students carry out their master's studies in at least two and up to four of these countries with the following four-semester sequence:

1st semester: ●

- University of Innsbruck

Concepts of Galactic Astrophysics, Concepts of Extragalactic Astrophysics, Concepts of Physics for Astrophysics, Advanced Mathematical Methods for Astrophysics.

2nd semester: Choice of: ●●

- University of Padova

Astronomical Spectroscopy, Theoretical Astrophysics, Cosmology, Galaxy Dynamics.

- University of Rome Tor Vergata

Observatory Solar Physics, Stellar Astrophysics, Extragalactic Astrophysics 1, Relativity and Cosmology 1.

3rd semester: Choice of: ●●●

- University of Göttingen

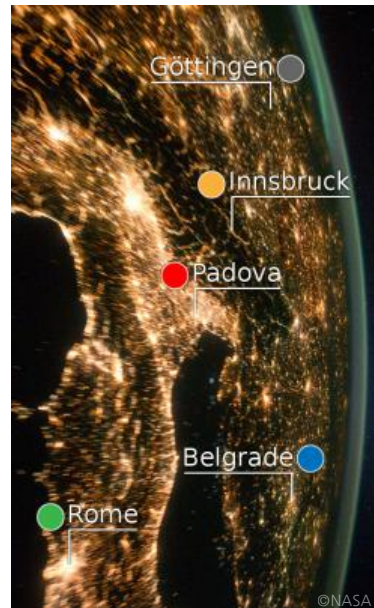
Active Galactic Nuclei, Stellar Structure and Evolution, Stellar Atmospheres.

- University of Belgrade

Spectroscopy of Astrophysical Plasmas, Physics of Gaseous Nebulae and Active Galactic Nuclei.

- University of Rome Tor Vergata

Relativity and Cosmology 2, Physics and Gravitation, and one other course.



4th semester: ●●●●

- Master's Thesis and Thesis Presentation at one of the five universities.

Topics include: Galactic Astrophysics, Extrasolar Planets, Extragalactic Astrophysics, Active Galactic Nuclei, Cosmology, Astroparticle Physics, Gravitational Waves, Observational Astrophysics, Computational Astrophysics, Particle Cosmology.

More details on the curricula can be obtained from:

www.astromundus.eu

The official language of the course is English, but students are given the possibility to learn the languages of the host countries by attending language courses at the partner universities.

Objective of the Programme:

The main objective of the programme is to provide top-ranked students with an excellent background in Astrophysics, introduce them to the world of modern astrophysical research, and foster their future career in this field.



How to apply and deadline:

Applications can be submitted via www.astromundus.eu. Applications for the course starting in September 2013 should be submitted no later than November 30th 2012. Student housing at the different sites will be organised. As part of the application process, students can also apply for a fellowship.

Fellowships:

A number of fellowships are available: 32,000 Euro for non-European students and 12,000 Euro for students from the EU, Iceland, Norway, and Liechtenstein. The fellowships cover the whole duration of two years. Students who have been selected for a fellowship do not have to pay tuition fees.

Questions / Contact us:

If you have any questions regarding this programme, please contact us at the coordinating institution, the University of Innsbruck:

AstroMundus - Institute for Astro- & Particle Physics

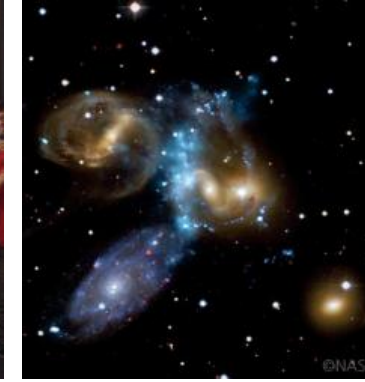
Technikerstrasse 25/8

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Tel.: +43 (0)512-507-52003 Fax: +43 (0)512-507-52099 e-mail: astromundus@uibk.ac.at



This project is co-funded by the European Commission through the Erasmus+ Programme. This flyer reflects the views only of the authors and the Commission cannot be held responsible for any use which may be made of the information contained therein.



AstroMundus

International Master's Degree in Astronomy and Astrophysics

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Erasmus+: Erasmus Mundus Master Course
in Astronomy & Astrophysics (120 ECTS)
offered by
a consortium of **5 universities** in 4 different
countries:
Austria, Italy, Germany & Serbia



Co-funded by the
Erasmus+ Programme
of the European Union



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3rd semester: Choice of: ● ● ●

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Active Galactic Nuclei, Stellar Structure and Evolution, Stellar Atmospheres.

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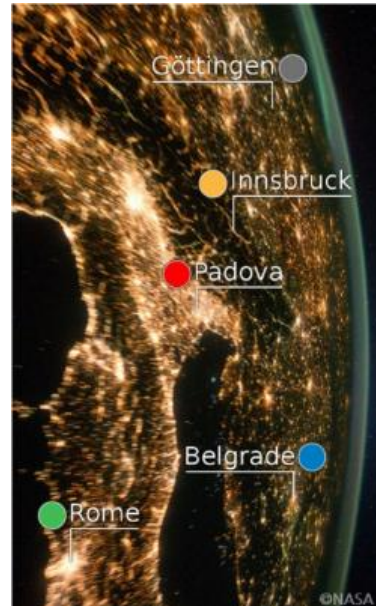
4th semester: ● ● ● ● ●

- Master's Thesis and Thesis Presentation at one of the five universities.

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Objective of the Programme:

The main objective of the programme is to provide top-ranked students with an excellent background in Astrophysics, introduce them to the world of modern astrophysical research, and foster their future career in this field. Currently 90% of our alumni are enrolled in PhD programmes.



How to apply and deadline:

Applications can be submitted via www.astromundus.eu. Applications for the course starting in September 2015 should be submitted no later than December 1st, 2014.

Scholarships:

A limited number of scholarships is expected to be funded through the new Erasmus+ Joint Master Degree (JMD) programme of the European Commission.

Because of the limited number of Erasmus+ scholarships, **we strongly recommend** that prospective students seek and apply for other scholarships that might be funded, e.g., by their own Country and/or Institution of origin or by other organizations.

Questions / Contact us:

If you have any question regarding this programme, please contact us at the coordinating institution, the University Of Innsbruck:

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Tel: +43 512 507-52003 e-mail: astromundus@uibk.ac.at

