



astro  
mundus  
international  
master

**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 2011**

I Semester: University of Innsbruck

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

III Semester: Universities of Tor Vergata, 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:

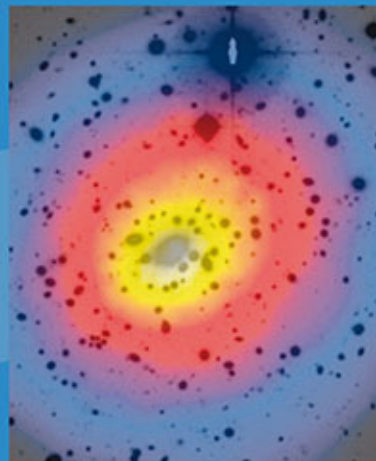
- \* Galactic Astrophysics (the Sun and the Solar system, the Milky Way, stellar evolution, the interstellar medium);
- \* Extrasolar planets;
- \* Extragalactic Astrophysics (galaxies, galaxy evolution, galaxy clusters, intra-cluster medium, star formation);
- \* Active Galactic Nuclei (including accretion 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 deadline for the Master Course starting in September 2011:

November 30th 2010 for both European and non-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>

