

# Teaching astronomy and astrophysics at the Valencian International University (VIU): Application and use of Virtual Observatory tools

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## Abstract

The Astronomy and Astrophysics Master, running at the Valencian International University (VIU, <http://www.viu.es>) since march 2010, is a clear example of how development of information and communication technologies (ICTs) and new e-learning methods are changing the traditional distance learning. In the context of the European Space for Higher Education (ESHE) we present how the Virtual Observatory (VO) tools can be an important part in the Astronomy and Astrophysics teaching. The described tasks has been carried out during the last three courses. These tasks are representative of the state of the art in Astrophysics research. We attach a description and a learning results list of each one of the presented tasks. The tasks can be downloaded at the Spanish VO website: <http://svo.cab.inta-csic.es/docs/index.php?pagename=Education/VOcases>

## Acknowledgments

Thanks to all professors and researchers that have help us in the confection of these tasks. Thanks to all the people that have developed the VO educational guides in the context of the projects EuroVO-AIDA (INFRA- 2007-1.2.1/212104) and SVO (MEC AYA2008-02156, AYA2011-24052). Finally, thanks to all the students that have completed the tasks and have submitted their point of view and impressions in order to improve these educational activities.