

Introduction to Astrophysics and Cosmology

Course requirements

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Classes

- Monday 1:30 PM - 3:29 PM, B-103
- Thursday 8:00 AM - 9:59 AM, B-103
- Friday 8:00 AM - 9:59 AM, B-103

Attendance is not mandatory and it will not affect the grades.

If you decide that you do not want to take the class after all, make sure to unregister from the class. Otherwise the class will be failed.

Syllabus

First part of the semester: Astrophysics (until the 9th of June)

Second part of the semester: Cosmology

Astrophysics topics

- Introduction to astrophysics
- Radiative transfer
- Stellar astrophysics
- Interstellar medium
- Extragalactic astronomy

Evaluation

- Quizzes **40% of the grade (20% from the first part of the class - approximately 2 or 3 Quizzes)**
- Midterm exam ~ *around the 9th of June 2023* **30% of the grade**
- Final exam ~ *around the 2nd of August 2023* **30% of the grade**

Exams, Quizzes will be announced in advance in class and via email.

Academic integrity

Academic integrity is very important.

Cheating in exams will have a penalty of a score 0 for the full exam.

Cheating in the quizzes will have a penalty of a score 0 for the relevant part of the Quiz.

Recommended reading

I am going to use material from these books for the class:

Arnab Rai Choudhuri: Astrophysics for physicists

I mostly use slides for this class, based on the this book. All the slides are going to be available online.

There are also many other good books on the topic and plenty of online resources.

Please feel free to contact me in person or trough email if you have questions about the class.

Resources

My email: hdenes@yachaytech.edu.ec

Private GitHub repository with slides and course information.

I will invite everyone, please let me know if you use a different email for GitHub, so that I can send an invite.

Class representative?