

Syllabus for PHYS 2420:

General Astronomy II

Spring 2019

Last update: February 19, 2019

Lectures: Tuesdays 14:20 – 17:20 PM, 019 Physics

Webpage: <http://orion.astr.nthu.edu.tw/astro/>

Instructor: Huei-Ru Vivien Chen (陳惠茹)

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Office: 513 2nd General Building (Ext. 4-2518) Office hour: Thursday 16:00-17:00

TA: Sean Liang (梁閔翔)

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Office: 519 2nd General Building Office hour: Wednesday 17:00 – 18:00

Textbooks:

Foundations of Astronomy (14th edition) by Michael A. Seeds & Dana E. Backman (2019, Cengage)

References:

The Physical Universe by Frank H. Shu (1982, University Science Books)

Grading policy:

40% problem sets, 30% projects, 30% mid-term examinations, and 10% attendance. Problem sets are due **5 PM Thursday** of the following week unless otherwise instructed. No late problems will be accepted without a valid excuse approved by the instructor prior to the deadline.

Projects:

Astronomy Picture of the Day

每日一天文圖

Galaxy Zoo

Course outline:

1. The Milky Way Galaxy
2. Galaxies
3. Active galaxies and supermassive black holes
4. Modern cosmology
5. Origin of the Solar System
6. Exoplanets
7. Venus and Mars
8. Jupiter and Saturn
9. Kuiper Belt, Astroids, and Comets