

PHYS 326 – ASTROPHYSICS II - SYLLABUS

- Credits: 3
- Prerequisites: Phys-325
- Designation: Required course for the Astrophysics option for a B.S. in Physics
- Course Description: This course is a continuation of Phys-325. We will study the content and physics of the Milky Way Galaxy, normal galaxies, active galaxies, the large scale structure of the universe, and cosmology.
- Course Goal: To understand the content and basic physical principles relevant to galaxies, and the universe.
- Location / Time of lectures: Workman Center 310, Tuesday and Thursday, 14:00 – 15:15.
- Text: Astronomy – A Physical Perspective, 2nd edition, by Marc L. Kutner. Reading assignments are announced in class. Additional reading material will be provided by the instructor.
- Instructor: Dr. P. Hofner (Workman Center 307, Tel. x5233, email: peter.hofner@nmt.com)
- Office Hours: Feel free to look me up any time !
- Homeworks: There will be approximately 10 homework assignments, which are due in class after one week.
- Exams: There will be 3 partial exams; there is no final exam.
- Attendance: Students are expected to always attend class. Acceptable reasons for missing class include illness, travel to visit grad. schools, personal or family emergencies, special research opportunities, and field trips for work in other classes. Please notify me if you know you will be missing class.
- Grading: Grading is based on homework performance (40%), and the partial exams (3 x 20%).

- **Course Schedule / Content:** We will cover chapters 14 - 21 in the text. This includes the interstellar medium, and star formation (ch. 14, 15), and the structure of the Milky Way Galaxy (ch. 16). We continue with the study of normal and active galaxies, clusters of galaxies (ch. 17 - 19), and conclude with the study of cosmology and the big bang (ch. 20 -21).

Counseling and Disability Services:

Reasonable Accommodations

New Mexico Tech is committed to protecting the rights of individuals with disabilities. Qualified individuals who require reasonable accommodations are invited to make their needs known to the Office of Counseling and Disability Services (OCDS) as soon as possible. To schedule an appointment, please call 835-6619.

Counseling Services

New Mexico Tech offers mental health and substance abuse counseling through the Office of Counseling and Disability Services. The confidential services are provided free of charge by licensed professionals. To schedule an appointment, please call 835-6619.

Academic Honesty: New Mexico Tech's Academic Honesty Policy for undergraduate students is found starting on page 60 of the NMT Undergraduate Catalog, http://www.nmt.edu/images/stories/registrar/2014-2015_UNDERGRADUATE_Catalog_FINAL.pdf

New Mexico Tech's Academic Honesty Policy for graduate students is found starting on page 59 of the NMT Graduate Catalog, http://www.nmt.edu/images/stories/registrar/2014-2015_GRADUATE_Catalog_FINAL.pdf.

You are responsible for knowing, understanding, and following this policy.

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