

Pensacola State College Section Syllabus
AST 1002 Descriptive Astronomy

Instructor: Thor Garber

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Credits: 3 cc

Course Description: Introduces the celestial sphere, constellations, time, telescopes, properties of light, the solar system, stars, and galaxies. Requires a working knowledge of arithmetic and simple algebra.

Offered: FA, SP, SU.

Distribution: Meets AA General Education Core, Natural Sciences (Physical Sciences) requirement.

Textbooks:

Horizons: Exploring the Universe; Backman and Seeds; 9781285415666; 13th; ITP; 2014

Supplemental Materials: None

Special Requirements: None

General Education Student Learning Outcomes:

Critical Thinking: The student analyzes, evaluates, and, if necessary, challenges the validity of ideas, principles, or data in order to develop informed opinions, probable predictions, or defensible conclusions.

Scientific and Mathematical Literacy: The student properly identifies and applies scientific or mathematical principles and methods.

Information Literacy: The student effectively locates, evaluates, and applies information from a variety of sources.

Course Learning Outcomes:

1. Expand the student's knowledge of the universe around them.
2. Show that astronomers are continuing to make new discoveries and learn more about the universe every day.
3. Utilize, and provide a foundation, for exploring other physical sciences.
4. Experience finding and identifying objects in the sky and learn to observe these objects with, or without, enhancements using technology like binoculars or a telescope.
5. Inspire students to ponder some of the great unanswered questions in astronomy and hold interest in the pursuit of the solutions in the future.
6. Provide context for understanding the students' own unique place in the cosmos.

Methods of Evaluation:

Grade calculation: Your final grade is based on your Homework, and Exams (based on points)

Chapter Homework: 15 pts per chapter (total of 13 chapters) = 195 pts total

Exams: (3 Tests + Final) 100 + 100 + 100 + 200 = 500 pts total

Grading scale:

A (90–100%)	B+ (87–90%)	B (80–87%)	C+ (77–80%)
C (70–77%)	D+ (67–70%)	D (60–67%)	F (< 60%)

Student Email Accounts:

Pensacola State College provides an institutional email account to all students enrolled in courses for credit. PirateMail is the official method of communication, and students must use Piratemail when communicating with the College. In cases where companion software is used for a particular class, email may be exchanged between instructor and student using the companion software.

Flexibility:

It is the intention of the instructor to accomplish the objectives specified in the course syllabus. However, circumstances may arise which prohibit the fulfilling of this endeavor. Therefore, this syllabus is subject to change. When possible, students will be notified of any change in advance of its occurrence.

ADA Statement:

Students with a disability that falls under the Americans with Disability Act or Section 504 of the Rehabilitation Act, it is the responsibility of the student to notify Student Resource Center for ADA Services to discuss any special needs or equipment necessary to accomplish the requirements for this course. Upon completion of registration with the Student Resource Center for ADA Services office, specific arrangements can be discussed with the instructor.

Equity Statement:

Pensacola State College does not discriminate against any person on the basis of race, color, national origin, sex, disability, age, ethnicity, religion, marital status, pregnancy, sexual orientation, gender identity or genetic information in its programs, activities, and employment. For inquiries regarding the College's nondiscrimination policies, contact the Executive Director of Institutional Equity and Student Conduct, 1000 College Blvd., Building 5, Pensacola, Florida 32504, (850) 484-1759.

Security Statement:

Pensacola State College is committed to encouraging all members of the College community to be proactive in personal safety measures. In case of emergency, students should ensure that they are aware of the building exit closest to each of their classrooms, as well as all alternative building exits in case circumstances require using a different route.

Emergency Statement:

In the case of severe weather or other emergency, the College administration maintains communication with appropriate state and local agencies and makes a determination regarding the cancellation of classes. Notices of cancellation will be made through the College's PSC Alert system and on the College's website.