

**COLLIN COUNTY COMMUNITY COLLEGE
COURSE SYLLABUS**

COURSE NUMBER: PHYS 1411

COURSE TITLE: Stars & Galaxies

CREDIT HRS: 4 **LECTURE HRS:** 3 **LAB HRS:** 3

PREREQUISITE: MATH 0305 or equivalent

COREQUISITE: Laboratory

TEXTBOOK: See instructor syllabus

SUPPLIES: See instructor syllabus

COURSE DESCRIPTION:

Introduction to stars and galaxies; basic tools and concepts in astronomy and physics are discussed. Subjects studied include stellar evolution, supernovae, black holes, neutron stars, galaxies and quasars. Laboratory exercises, night observations, planetarium and observatory visits combine to enhance lecture material. Lab required.

COURSE LEARNING OBJECTIVES:

To gain an understanding and appreciation of the basic principles of astronomy. Laboratory exercises, night observations, planetarium and observatory visits all combine to enhance lecture material.

Course activities and knowledge objectives address increasing each student's competency in reading, writing, critical thinking and analysis. Experiential learning activities are utilized as a means of instruction in laboratory components of courses and through research, class projects, and skill building exercises with problem analysis.

COURSE REQUIREMENTS:

Complete lecture and lab activities

COURSE FORMAT:

3 hours per week lecture; 3 hours per week lab activities

METHOD OF EVALUATION:

40 - 60% from scores on tests and/or quizzes,
25 - 35% from scores on laboratory exercises,
5 - 30% term paper or other written and/or homework assignments.
(Percentages assigned at discretion of instructor)

ATTENDANCE POLICY:

Attendance at all lab sessions and other related activities is mandatory unless illness or emergencies occur. Please see the schedule of classes for the last day to withdraw.
Religious Holy Days: refer to the current Collin Student Handbook.

ADA STATEMENT:

It is the policy of Collin County Community College to provide reasonable and appropriate accommodations for individuals with documented disabilities. This college will adhere to all applicable Federal and State laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS Office (G-200) or 972.881.5898, (TDD: 972.881.5950) in a timely manner if he/she desires to arrange for accommodations.

ACADEMIC ETHICS:

The college may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission of material as one's own work that is not one's own. Scholastic dishonesty may involve one or more of the following acts: cheating, plagiarism, collusion, and/or falsifying academic records.

Cheating is willful giving or receiving of information in an unauthorized manner during an examination, illicitly obtaining examination questions in advance, using someone else's work for assignments as if it were one's own, copying computer disks or files, and any other dishonest means of attempting to fulfill the requirements of a course.

Plagiarism is the use of an author's words or ideas as if they were one's own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation.

Collusion is intentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination; removing tests or answer sheets from a test site, and allowing a classmate to copy answers. Contact the Dean of Students at 972.881.5771 for the student disciplinary process and procedures or consult the CCCC Student Handbook.