

**COLLIN COUNTY COMMUNITY COLLEGE DISTRICT  
COURSE SYLLABUS**

**Course Number:** PHYS 1404 Lecture

**Course Title:** Solar System

**Course Credit Hours:** 4                    **Lecture Hours:** 3                    **Lab Hours:** 3

**Prerequisite:** Satisfy the reading and mathematics requirements of TSI.

**Corequisite:** none

**Course Delivery Method** Lecture: Use of the standard whiteboard, overhead projector, the internet, videos and other simulations including models of the planets and the solar system. Students may give presentations in class including the use of the computer.

**Instructor's Information:**

**Instructor's Name:** M. L. Broyles

**Office Number:** J139

**Office Hours:** See syllabus addendum.

**Contact Information:** Dr. Fred Jury: Department Chair. 972-881-5883

Dr. Cameron Neal: Dean of Math and Science: 972-881-5880

**Class Information:** Refer to syllabus addendum

**Class Meeting Times:**

**Class Meeting Location:**

**Textbook:** Refer to syllabus addendum

**Supplies:** Refer to syllabus addendum

**Measurable Student Learning Outcomes:**

Upon successful completion of this course, students should be able to do the following:

1. Answer questions involving the basic principles of astronomy.
2. Answer questions involving the basic concepts of light and spectra.
3. Explain the role of telescopes in astronomical observations.
4. Explain the basic properties and formation of the solar system.
5. Describe the structure and environment of the rocky, inner planets.
6. Compare and contrast the properties of the gas giants with the inner planets.
7. Explain the basic properties of the icy moons and other bodies in the outer solar system.

**Course Requirements:**

Complete the lecture and lab activities as defined in the lecture and lab addenda.

**Attendance Policy:**

Regular laboratory attendance is required of all students; excused absences, including illnesses, should be cleared with the instructor. Please see the Registration Guide 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 accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal and state and local 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, SCC-G200 or 972.881.5898, (V/TTD: 972.881.5950) in a timely manner to arrange for appropriate accommodations.

**Academic Ethics:**

The College District 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 as one's own work material that is not one's own. Scholastic dishonesty may involve, but is not limited to, one or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher's editions, and/or falsifying academic records.

**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.

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

**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.

**Tentative Course Calendar:** (*See the lecture addendum*)

NOTE: A copy of the generic/departmental syllabus is available on the college website at:  
<http://iws.ccccd.edu/syllabus>