

**NEOSHO COUNTY COMMUNITY COLLEGE
MASTER COURSE SYLLABUS**

COURSE IDENTIFICATION

Course Code/Number: PHYS 103

Course Title: Fundamentals of Astronomy Lab

Division: Applied Science (AS) Liberal Arts (LA) Workforce Development (WD)
 Health Care (HC) Lifetime Learning (LL) Nursing Developmental

Credit Hour(s): Two (2)

Effective Date: Fall 2013

Assessment Goal Per Outcome: 70%

COURSE DESCRIPTION

This course will survey fundamental aspects of astronomy. This course will encompass the history, the physical attributes, and the equipment related to the field of Astronomy. This will be accomplished through field trips and written papers.

MINIMUM REQUIREMENTS/PREREQUISITES AND/OR COREQUISITES

Corequisite with PHYS 102 Fundamentals of Astronomy

TEXTS

The official list of textbooks and materials for this course is found on *myNeosho*.

<http://www.neosho.edu/ProspectiveStudents/Registration/CourseSyllabi.aspx>

GENERAL EDUCATION OUTCOMES

1. Practice Responsible Citizenship through:
 - identifying rights and responsibilities of citizenship,

- identifying how human values and perceptions affect and are affected by social diversity,
 - identifying and interpreting artistic expression.
2. Live a healthy lifestyle (physical, intellectual, social) through:
 - listing factors associated with a healthy lifestyle and lifetime fitness,
 - identifying the importance of lifetime learning,
 - demonstrating self-discipline, respect for others, and the ability to work collaboratively as a team.
 3. Communicate effectively through:
 - developing effective written communication skills,
 - developing effective oral communication and listening skills.
 4. Think analytically through:
 - utilizing quantitative information in problem solving,
 - utilizing the principles of systematic inquiry,
 - utilizing various information resources including technology for research and data collection.

COURSE OUTCOMES/COMPETENCIES (as Required)

The student will:

1. Identify astronomy equipment and demonstrate an understanding of its usage.
2. Discuss historical space flight equipment and demonstrate an understanding of its place in history.
3. Discuss and identify current space flight equipment and demonstrate an understanding of its usage.
4. Develop a hypothesis of the future of astronomy and space flight and its usage for society.

MINIMUM COURSE CONTENT

The following topics must be included in this course. Additional topics may also be included.

The content is specified in the course outcomes.

STUDENT REQUIREMENTS AND METHOD OF EVALUATION

Instructional methods include a Field trip and writing a scientific paper.

REQUIREMENTS

Meaningful learning experiences require effort on both the parts of the student and the instructor. There are several expectations of the student enrolled in this class.

1. The student will attend class for exposure to the learning environment.
2. The student will give effort to staying current with the reading and skills required in the class.
3. The student will participate in class discussions and activities.

4. The student will write a culminating paper that will include facts about the field trip and future possibilities about space flight and astronomy.

GRADING PROCEDURE AND SCALE

The traditional letter grade will be based on an evaluation, as previously stated, and the results of formal testing of an assigned research project.

The following scale will be used to establish a formal letter grade:

90% to 100% -- A, 80% to 89% -- B, 70% to 79% -- C, 60% to 69% -- D, below 60% -- F.

ASSESSMENT OF STUDENT GAIN

The purpose of assessing student learning at Neosho County Community College is to ensure the educational purposes of the institution are met and appropriate changes are made in program development and classroom instruction to allow for student success. The instructor(s) of this course will determine the methods of assessment most appropriate and complete an assessment report at the end of the course.

Attendance Policy

1. NCCC values interactive learning which promotes student engagement in the learning process. To be actively engaged, the student must be present in the learning environment.
2. Unless students are participating in a school activity or are excused by the instructor, they are expected to attend class. If a student's absences exceed one-eighth of the total course duration, (which equates to one hundred (100) minutes per credit hour in a face-to-face class) the instructor has the right, but is not required, to withdraw a student from the course. Once the student has been dropped for excessive absences, the registrar's office will send a letter to the student, stating that he or she has been dropped. A student may petition the chief academic officer for reinstatement by submitting a letter stating valid reasons for the absences within one week of the registrar's notification. If the student is reinstated into the class, the instructor and the registrar will be notified. Please refer to the Student Handbook/Academic Policies for more information
3. Absences that occur due to students participating in official college activities are excused except in those cases where outside bodies, such as the State Board of Nursing, have requirements for minimum class minutes for each student. Students who are excused will be given reasonable opportunity to make up any missed work or receive substitute assignments from the instructor and should not be penalized for the absence. Proper procedure should be followed in notifying faculty in advance of the student's planned participation in the event. Ultimately it is the student's responsibility to notify the instructor in advance of the planned absence.

ACADEMIC INTEGRITY

NCCC expects every student to demonstrate ethical behavior with regard to academic pursuits. Academic integrity in coursework is a specific requirement. Definitions, examples, and possible consequences for violations of Academic Integrity, as well as the appeals process, can be found in the College Catalog, Student Handbook, and/or Code of Student Conduct and Discipline.

ELECTRONIC DEVICE POLICY

Student cell phones and other personal electronic devices not being used for class activities must not be accessed during class times unless the instructor chooses to waive this policy.

NOTE

Information and statements in this document are subject to change at the discretion of NCCC. Students will be notified of changes and where to find the most current approved documents.

NOTE:

If you are a student with a disability who may need accommodation(s) under the Americans with Disabilities Act (ADA), please notify studentdevelopmentteam@neosho.edu, Chanute Campus, 620-431-2820, ext. 213., or Ottawa Campus, 785-242-2067 ext. 305, as soon as possible. You will need to bring your documentation for review in order to determine reasonable accommodations, and then we can assist you in arranging any necessary accommodations.

COURSE NOTES