



Wayne County Community College District

COURSE SYLLABUS

AST 101 Astronomy I: New Solar System

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

A survey course including a study of the solar system, stars and constellations as well as some topics of current astronomical interest.

PREREQUISITE: None

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

- Obtain a broad understanding of the universe on the large and very small scale, as far as its origin and its evolution over time
- Understand the various planets and moons of the solar system and their physical characteristics
- Understand the universal laws of motion and gravitation with respect to the sun, moon, stars and planets of the solar system
- Apply radiation laws such as Wien's, Kirchoff's, Stefan-Boltzman's and Planck's laws.

ASSESSMENT METHODS:

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A
80%-89.9% = B
70%-79.9% = C
60%-69.9% = D
<60% = E