Astronomy

**Course Prerequisites:**

**Successful completion of Algebra, Physical Science, and or Chemistry.**

1. **Introduction:**

**The Astronomy course introduces the science of modern astronomy with a concentration on the solar system and beyond.  Emphasis is placed on the history and physics of astronomy and an introduction to the solar system, including the planets, comets, and meteors, the sun, stars, and galaxies. Upon completion, students should be able to demonstrate a working knowledge of astronomy and have a foundation for successful completion of college Astronomy.**

1. **General Objectives and Sequential Time frame:**

**1. Students study a variety of topics that include:**

* + 1. **Introduction and History (3 weeks) 1,2, 5**
    2. **Planetary system (4 weeks) 6, 8-13**
    3. **Earth and Moon (2 weeks) 7,8**
    4. **Soar System Debris ( 2 weeks) 14**
    5. **The sun and star formation ( 2 weeks) 16, 19**
    6. **Star formation, measuring stars and interstellar medium (3 weeks) 17-19**
    7. **Milky way and galaxies (2 weeks) 23, 24 end semester**

***Textbook Used:***

Astronomy Today: 7th edition , Prentice Hall 2010

**Grading Scale:**

20% homework,  20% labs,  20% Test,   2o% quiz, 20% Projects

**Supplies needed:**

pen/paper, notebook, colored pencils, Scientific calculator, flash drive,  ruler, box of kleenex