Objectives of the Course:

At the end of this course, the student should be able to:

1. Assess science and its methods and, in particular, the field of astronomy and space technology.
2. Identify both in the planetarium and actual sky, the prominent stars and constellations of the Spring, Summer, Fall and Winter skies.
3. Use a star finder.
4. Use a metric ruler and protractor.
5. Know the general characteristics and properties of the members of the solar system.
6. Identify and understand the phases of the moon.
7. Locate a planet using elongations and configurations.
8. Know the general properties and characteristics of the moon.
9. Understand the geological processes that have altered the members of the solar system.
10. Apply simple observation to a logical conclusion.
11. Comprehend and know any current events related to the space program and solar system discoveries.
12. Evaluate the future possible value of further planetary exploration.

Procedures for Accomplishing these Objectives:

To accomplish all the above objectives, I will:

1. Assign reading of selected chapters in a text.
2. Assign readings of the introductions of laboratory exercises.
3. Assign readings of selected articles from periodicals and science news briefs.
4. Give lectures.
5. Show videos.
6. Assign completions of laboratory exercises.
7. Encourage classroom discussion.
8. Announce and suggest the attendance at related lectures in the local community.
9. Give tests.
10. Present planetarium sessions and evening observations.
Student Requirements for the Completion of the Course:

For the student to pass this course, the student should:

1. Complete all assigned readings especially the introductions of laboratory exercises and solar system articles.
2. Complete all assignments to the best of the individual’s ability.
3.** Take good, concise lecture notes.
4.** Maintain good attendance as stated in the College Catalog.
5. Ask questions when confused and necessary.
6. Seek help from the instructor or student tutors when necessary and read related chapters in a textbook.
7. Attend evening observations, field trips and additional lectures to obtain extra credit.
8. Maintain a passing average on all graded materials.
9. Be able to do elementary mathematical operations of elementary algebra.
10.** Use a calculator when appropriate and MUST have your OWN calculator.
11. Read all news briefs on science bulletin board outside S-111.
12.** Formerly withdraw with proper withdrawal slip prior to date of last withdrawal.
13.** Be responsible for all assignments even if absent from class when work was assigned.
14.** Submit selected assignments online at lswpubgl@erols.com

Grading Practices

1. All graded material counts equal, with the exception of the planetarium identification test.
2.** Planetarium identification test counts double.
3. No makeup tests.
4. Any assignment not submitted will be considered as a grade of zero.
5. Any assignment not submitted on time will not be accepted, with the exception of a student absent on the day the assignment is due. The assignment must be submitted at the attendance of the next class.
6.** For the total grades obtained, about 15, the two lowest grades can be dropped. The exception to the rule is the planetarium identification test, the last lecture test, and only one test.
7. Laboratory exercises may be graded, but most simply will be checked for completion. Specific exercises that are to be graded will be announced prior to required date of completion. The majority of the laboratory grade will be obtained from test questions on completed laboratory exercises. During laboratory sessions, we will work on laboratory exercises.
8.** Tests will be based on laboratory exercises, lectures, videos and reading assignments. On occasions, you will be required to view and be responsible for additional videos shown during common hour.
9. All science news briefs posted on the bulletin board outside S-111 are to be read, and there can be questions related to these articles that will appear on any test.

10. **Attendance at one evening observation is required. Observations will be announced and held at the Eastern Campus. A deduction of one point on your average should you not attend required observation.

11. Bonus points, added to tests, may be obtained by researching thought questions given during class.

12. Since we have very good tutors and I will be available for help during office hours, I will be more aware of those students that avail themselves of this assistance and will consider their interest when final grades are due.

13. Attend field trip to Custer Institute and Franklin Planetarium, Philadelphia, PA.

14. A maximum of five (5) extra points added to the final average may be obtained by:
   a) Attending lectures at Stony Brook University on the first Friday of each month in the lecture hall of the ESS building.
   b) Attending any astronomy lectures given in the local region.
   c) Complete an original poem on any celestial topic with a presentation on the day established for celestial poetry reading.

Rules Concerning Student Absence and Lateness:

1. I will adhere to the attendance policy established by the College that is printed in the College Catalog. You are less likely to be successful if you have excessive absences.

   *** 2. **I HATE LATENESS**, and I will deal with repeated lateness with a lateness policy ~ of dropping a student from the course after speaking to the student. Once attendance has been taken you will be considered as absent especially for this 8:00 am starting time.

Textbooks:
Textbook: Astronomy – The Solar System

* BE SURE TO GET PACKET FOR AST101

Supplementary Reading:
Because the field of astronomy is so dynamic and current, no one text can ever contain all possible thoughts on the subject of life elsewhere. Therefore, the publications listed below are popular periodicals that contain new and easy reading material on the subject. If any articles contained in these magazines appear worthwhile to our discussion, I will assign them to be read. Also, internet-related sites are very useful.

   Astronomy   Science Scientific American
   N.Y. Times     Science News
   Sky Telescope  Newsday – Tuesday Science Section

*Any astronomy related web site
Weekly Outline of Topics to be Covered:

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<tr>
<th>TOPIC</th>
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<td>Horizon System</td>
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<td>Moon Phase</td>
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<tr>
<td>Minor Members – Planetarium</td>
<td>4</td>
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</tbody>
</table>

* Outline is tentative and may be altered due to the circumstances that occur during the semester. Tests will be announced. Laboratory tests will be based on lectures, videos, text reading and occasionally laboratory work.