

# ASTRONOMY 001

Ticket Number 3048  
6:50 – 10:00 P.M. Thursday

Room: Inst-1015

**Instructor**..... Professor Charles Mallory

**Email**..... charles.mallory@ieee.org

**Web Address** ..... http://www.TheMalloryFamily.net

This location will contain old quizzes, test, handouts and grades

**Office Hours**..... Tuesday and Thursday 6:15 PM to 6:50 PM in the instructional building faculty offices

**SLO:**..... Student Learning Outcomes (SLO).

1. Understanding of the methods astronomers use to explore the natural phenomena of the universe, including observation, hypothesis development, and evaluation of evidence. This understanding will be demonstrated by quizzes and tests and in-class discussions.
2. Have a working knowledge of the historical development of key astronomical concepts such as the ever-unfolding discovery of our place in the universe, including the latest developments in planetology and cosmology. This knowledge will be demonstrated by quizzes and tests and in-class discussions.
3. Acquire a sense of social responsibility in areas of environmental concern such as global warming, resource conservation and pollution, as evidenced by in-class discussions.

**Text** ..... Horizons Exploring the Universe, by Michael A. Seeds (Please wait until after the first day of class before you purchase the book.)

**Class Description:**..... This is an introductory course in the general principles of astronomy. Topics included are the sun, planets, and other members of the solar system; stars, their motions, composition, and evolution; novae, pulsars, quasars and galaxies.

**Attendance:**..... Attendance will be taken each class meeting and will count for 5% of your final grade.

**Quizzes:**..... **Quizzes will be given each class meeting**, and will count for 20% of your final grade. The quiz questions will primarily come from the previous class lecture along with some questions from the book. The quizzes may consist of *True/False*, *Multiple Choice*, *Fill in the Blank*, *Matching* and *Short Answer* questions.

**Tests:**..... Tests will be given up to five times during the semester and will count for 30% of your final grade. The midterm questions will **ONLY** be taken from the quizzes. Tests will not be cumulative and will only consist of quiz questions since the previous test.

**Final:**..... The Final will count for 45% of your final grade. The final questions will **ONLY** be taken from the tests. The final will be cumulative and cover all tests and the last quiz. **Failure to take the final exam will result in an automatic fail in the course.**

**Extra Credit:**..... 5% Extra credit will be given to students that attend a planetarium show at the Griffith Observatory.

**Grading:** ..... Grading will be performed on a semi-modified curve. The grade you will earn will be based on the following scale:

A	90% - 100%
B	75% - 89%
C	60% - 74%
D	45% - 59%
F	0% - 44%

I guarantee that you will receive at least the above grade if not higher due to modifications of the curve to fit the class performance.

**Grade Breakdown:**

Attendance	5%
Quizzes	20%
Tests	30%
Final Exam	45%

## Tentative Lecture Schedule

Date	Day	Chap	Material	Pages
Sept 2, 2010	Thursday	Intro	Introduction, Class Description, Syllabus Review	--
		1	The Scale of the Cosmos	1-8 (8)
Sept 9, 2010	Thursday	2	The Sky	9-19 (10)
		3	Cycles of the Sky	20-41 (21)
Sept 13, 2010	Monday	<i>Last Day to Drop classes without incurring fees or with a refund</i>		
Sept 16, 2010	Thursday	4	The Origin of Modern Astronomy	42-67 (25)
		5	Astronomical Tools	68-91 (23)
Sept 23, 2010	Thursday	<b>Test 1 – Chapters 1, 2, 3 and Introduction (In Class Test)</b>		
		6	Atoms and Starlight	92-109 (17)
		Take Home Quiz, Chapters 4 & 5		
Sept 24, 2010	Friday	<i>Last Day to Drop without receiving a "W"</i>		
Sept 30, 2010	Thursday	7	The Sun – Our Star	110-131 (21)
		8	Properties of Stars	132-155 (23)
Oct 7, 2010	Thursday	9	The Formation and Structure of Stars	156-181 (25)
		10	The Death of Stars	182-206 (24)
Oct 14, 2010	Thursday	<b>Test 2 – Chapters 4, 5, 6, 7 and 8 (In Class Test)</b>		
		11	Neutron Stars and Black Holes	207-227(20)
		Take Home Quiz, Chapters 9 & 10		
Oct 21, 2010	Thursday	12	The Milky Way Galaxy	228-253 (25)
Oct 28, 2010	Thursday	13	Galaxies	254-275 (21)
		14	Galaxies with Active Nuclei	276-294 (18)
Nov 4, 2010	Thursday	15	Cosmology	295-321 (26)
		16	The Origin of the Solar System	322-344 (22)
Nov 11, 2010	Thursday	Veteran's Day - HOLIDAY (College CLOSED) - No Class		
Nov 18, 2010	Thursday	<b>Test 3 - Chapters 9, 10, 11, 12, 13 and 14 (In Class Test)</b>		
		17	The Earthlike Planets	345-379 (34)
		Take Home Quiz, Chapters 15 & 16		
Nov 19, 2010	Friday	<i>Last day to Drop with a "W"</i>		
Nov 25, 2010	Thursday	<i>Thanksgiving - HOLIDAY (College CLOSED) - No Class</i>		
Dec 2, 2010	Thursday	17	The Earthlike Planets	345-379 (34)
		18	Worlds of the Outer Solar System	380-410 (30)
Dec 9, 2010	Thursday	19	Meteorites, Asteroids and Comets	411-429 (18)
		20	Life on Other Worlds	430-450 (20)
Dec 16, 2010	Thursday	<b>Test 4 – Chapters 15, 16, 17, 18, 19 &amp; 20 (Take Home Test)</b>		
		<b>Final Exam Chapters 1 - 20</b>		
		Turn in Take Home Test 4		

# Code of Academic Honor and Integrity

Los Angeles Mission College

Departments of Physical and Life Sciences

Students at Los Angeles Mission College, because they are members of an academic community dedicated to the achievement of excellence and the pursuit of honor, are expected to meet high standards of personal, ethical, and professional conduct. These standards require personal integrity and a commitment to honesty. Without the ability to trust in these principles, an academic community and a civil society cannot exist. Los Angeles Mission College students and faculty are as committed to the development of students with honesty and integrity as they are to the academic and professional success of its students.

The **Academic Code of Honor and Integrity** is an undertaking of the students, both individually and collectively, that they will:

1. Not give or receive unpermitted aid during exams, quizzes or assignments
2. Not give or receive unpermitted aid in assignments, reports or any other course work that is to be used by the instructor as a basis for grading.
3. Do their share and take an active part in upholding the spirit and letter of the Code of Academic Honor and Integrity.

Some examples of conduct that are regarded as being in violation of the Academic Honor Code include:

- Copying from another's examination or quiz, or allowing another to copy from one's own papers
- Using any unpermitted source of information, human or other, during an exam, quiz or assignment that influences the grade; this includes the use of technological devices
- Any student-to-student collaboration that is unpermitted
- **Plagiarism** (plagiarism is defined as the use, without giving reasonable and appropriate credit to, or acknowledging the author or source, of another person's original work)
- Representing as one's own work as the work of another
- Giving or receiving aid on an academic assignment under circumstances in which a reasonable person should have known that such aid is not permitted

As a part of the effort to promote and instill an environment of honesty and integrity during quizzes and examinations, the following guidelines will apply for any courses in the Departments of Physical and Life Sciences:

1. Students will leave all books and all other non-essential items (e.g. paper, electronic devices) on the floor or inside their backpacks so that they are not useable nor block the sight line between professor and student. No electronic devices will be in reach.
2. Students will not communicate in any way that will dishonorably assist themselves or another student.
3. Students will leave the room during an exam only if permitted by the professor's policy. If permitted, only one student may leave the room at any time and be gone for only the average length of time needed for the stated purpose. Students will leave all purses, bags, books, phones, jackets, etc., in the classroom during the absence.
4. Students will promote the spirit and letter of the **Code of Academic Honesty and Integrity** by dissuading fellow students from dishonest activity and, when such casual persuasion does not work, informing the professor of the possible dishonest activity, either anonymously, or otherwise.
5. Students will make every effort to avoid the appearance of dishonesty or lack of integrity

Violation of this policy will not be tolerated and violators will be subject to penalties. The success of the **Code of Academic Honor and Integrity** is based upon the collective desire of students, faculty and the community to live in an environment that embraces respect for that which is right – both in the college and in society as a whole.

I have read and understand the Code of Academic Honor and Integrity and will abide by both its intent and its spirit:

Name (print) \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_