LOS ANGELES MISSION COLLEGE-FALL 2012
PHYSICAL SCIENCE 1 – SEC. # 0506, MW 9:05AM-10:30AM
PHYSICAL SCIENCE 14 – SEC. # 0507, MW 10:40AM-11:35AM
Room: CMS – 006

INSTRUCTOR: Lilit Haroyan
E-MAIL: haroyal@lamission.edu
WEBSITE: www.lamission.edu/~haroyal

OFFICE PHONE: (818)364-7628
OFFICE HOURS: Tu/Th: 1:00 – 2:00
OFFICE LOCATION: LRC 208

Class Description:	• **Physical Science 1** is designed for non-science majors. It meets the General Education requirements for Natural Sciences. This survey course covers the general principles of Physics, Chemistry and Astronomy. • **Physical Science 14** is designed for non-science majors and meets the laboratory requirement for the physical sciences in the teacher preservice program. Previous or concurrent registration in Physical Science 1 is required for enrollment in this class.
Required Materials:	• An Introduction to Physcial Science; Shipman, Wilson, Todd; 12th Ed. • Laboratory Manual by Said Pazirandeh, 4th Edition (available at LAMC Bookstore) • Laboratory notebook: quadrille, bound type (available at LAMC Bookstore) • Scientific Calculator • Graph paper (approximately 15-20 sheets)
Student Learning Outcome:	• Conceptualize and explain physical phenomena and identify the related scientific concepts (PhySci 1) • Describe various forms of motion and identify the forces that produce each. (PhySci 1) • Apply the scientific method to identify a hypothesis and perform experimental procedures to prove or disprove the hypothesis. (PhySci 14) • Construct graphs based on given data, describe the trend and predict other data points from the graph. (PhySci 14) • Perform laboratory techniques safely and accurately and maintain a laboratory notebook according to standard scientific guidelines. (PhySci 14)
Grading:	The final grade in class is composed of the following:

Lecture	% of Total Grade	Lab	% of Total Grade
Quizzes	25%	Lab Reports	60%
Homwork	25%	Lab Notbook	15%
Midterm	25%	1st Lab Exam	10%
Final	25%	Final Lab Exam	15%

The final grades cutoffs are as follows

	A 90-100% D 55-64% B 80-89% F bellow 54% C 65-79%
Lab Reports:	• Lab reports are due one week after completion of the experiment. Late reports are subject to a 10% per week late penalty. • Lab report is accepted only during the first 15 minutes of the class period on the day it is due. • Missed labs cannot be made-up and will be recorded as zero. However, the single lowest lab report grade will be dropped at the end of the semester.
Exams & Quizes:	• The exams will be given on the scheduled date only. Lecture Exams and Quizes will be closed book and closed notes. The lab exams will cover experiments done during the semester. You may use your lab notebook as a resource during the exam. • Makeups for exams will only be given under special circumstances, and need to be arranged with the instructor prior to the absence. Only **one makeup exam** is allowed per semester.
Homework:	• Homework is accepted only during the first 15 minutes of the class period on the day it is due. No late homework is accepted under any circumstances. However, the two lowest homework grades will be dropped at the end of the semester.
Attendance:	• The lab is an activity based class. Therefore, **attendance and positive participation** is expected of each student in order to succeed in the class. • There is no contingency for making up missed work, so plan to be present for all experiments planned. • **An absence will result in a zero grade for the missed lab.**
Safety Rules:	• Safety is the responsibility of all persons in the laboratory. Please read the safety guidelines in the Laboratory Manual (Appendix I). • Failure to follow safety rules will result in dismissal from the laboratory.
Class Policies	• No cell phone activity is allowed during the lecture or lab • Please remove all ear buds and headphones upon entering the lab • Any student found to be cheating on any quiz or test will receive an immediate zero on that activity. Cheating on the Final Exam will result in a grade of F for the course.
Important Dates	• Dates listed on this syllabus may change. Each student is responsible for current class announcements, whether he/she is present in class or not. • Last Day to drop the class without a "W": Sept 7 (in person) Sept 9 (by Internet) • Last Day to drop the class with a "W": Nov 16 (in person) Nov 18 (by Internet) NOTE 1: It is the student's responsibility to drop the class. After the final census date, the instructor is not responsible to exclude students who have become inactive. NOTE 2: A new state policy in effect as of Summer 2012 limits students to **3 attempts per course.** Receiving a grade or "W" for a course counts as an attempt, **regardless of when the course was taken.** Withdrawal by September 9, 2012 (avoiding a "W") will not count as an attempt.
College Resources for Students	**Admissions and Records:** Students can register for classes, request transcripts, file petitions for graduation, and drop classes at this office. For more information call 818-833-3322 or visit: http://www.lamission.edu/admissions/

	Assessment Center: Offers student assessments in English, English-as-a-Second-Language (ESL) and Mathematics. Please contact the Assessment Center at (818) 364-7613 for more information or visit http://www.lamission.edu/assessment/ **Bookstore:** For hours of operation, book availability, buybacks, and other information call 818-364-7767 or 7768 or visit http://eagleslanding.lamission.edu/default.asp **Counseling Department Office:** For appointments and information call 818-364-7655 or visit http://www.lamission.edu/counseling/ **Disabled Students Programs and Services (DSP&S):** For appointments, eligibility and information call 818-364-7732 or visit http://www.lamission.edu/dsps/ **Extended Opportunity Programs and Services (EOPS)**: For appointments, eligibility and information call 818-364-7645 or visit http://www.lamission.edu/eops/ **Financial Aid:** For information and applications call 818-364-7648 or visit http://www.lamission.edu/financialaid/ **Library:** For information on hours, resources, workshops, and other services contact 818-364-7106 or visit http://www.lamission.edu/library/ **Tutoring Services in Learning Center:** Laboratories for Learning, Writing, Math &Science. Walk-in and appointment services offered. Call 818-364-7754 or visit www.lamission.edu/learningcenter/
Disability Accommodations	Students with a verified disability who may need authorized accommodation(s) for this class are encouraged to notify the instructor and the Office of Special Services or Disabled Students as soon as possible, at least two weeks before any exam or quiz. All information will remain confidential. Web: http://www.lamission.edu/dsps ,phone: 818-833-3313 office: INST 1018

TENTATIVE SCHEDULE

Week	Date	Chapter	Date	Exp. #	Lab Experiment
1	8/27	Introduction to class CH 1: Measurment	8/29	----	CH 2: Motion Lab Introduction – Graphing Data
2	9/3	*Labor Day (campus closed)*	9/5	1	Using Graphs
3	9/10	Quiz CH 1 & 2 CH 3: Force and Motion	9/12	2	Density of Liquids & Solids
4	9/17	Quiz CH 3 CH 4: Work and Energy	9/19	3	Velocity & Acceleration
5	9/24	Quiz CH 3 CH 5: Temperature and Heat	9/25	4	Vectors & Equilibrium
6	10/4	Quiz CH 3 CH 6 & 7: Waves, Optics and Wave Effects	10/3	5	Investigating Factors Affecting a Simple Pendulum
7	10/11	Quiz CH 3 CH 8: Electricity and Magnetism	10/10	6	Energy of Falling Bodies
8	**10/18**	**MID TERM EXAM (ch. 1-8)**	**10/17**	**----**	**First Lab Exam (Exp. 1-6)** **First Notebook Check**
9	10/25	CH 9 & 10: Atomic & Nuclear Physics	10/24	7	Temperature & Heat
10	11/1	Quiz CH 9 & 10 CH 11: The Chemical Elements	10/31	8	Velocity of Sound
11	11/8	Quiz CH 11 CH 12: Chemical Bonding	11/7	9	Comparing Indices of Refraction
12	11/12	*Veterans Day (campus closed)*	11/14	10	Ohm's Law
13	11/19	Quiz CH 12 CH 13: Chemical Reaction	11/21	11	Physical & Chemical Properties & Changes
14	11/26	Quiz CH 13 CH 15: Place and Time	11/28	12	Separation of a Mixture of Sand & Salt
15	12/3	Quiz CH 15 CH 16 & 18: The Solar System and Universe	12/5		**Final Notebook Check /Final Review**
16	**12/10**	**Final Exam (ch.9-13, 15,16,18)**	**12/12**	**----**	**Final Lab Exam (Exp 6-12)**

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.

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 the work of another as one's own work
- 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:

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 improperly assist themselves or another.

3. 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.

4. 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 _____ Signature _____ Date _____