Introductory Physics AHCJ 111

Loma Linda University
School of Allied Health Professions
Summer 2018

Instructor: Anant K. Mandapaka, MS DABR

Email Address: amandapaka@llu.edu

Course Times: Mon, Wed 6pm-9pm during Summer 2018 (June 18 – August 31,2018)

Classroom: Nichol Hall Room A113

Textbook: " Physics Principles with Applications " 7th edition by Douglas C. Giancoli

This textbook can be used for AHCJ 111 and AHCJ 112

Homework and Tests:

Homework and Labs: 15% ;

Test 1: 25% ;

Test 2: 25% ;

Test 3: 25% ;

Attendance:10%

= **Total : 100%**

Makeup tests will only be allowed with permission from the instructor and should be planned ahead. Homework will be assigned every week. Homework is due in 1 week from the date of assignment. ***Homework and Tests should be legible or else you will lose points.*** All students are required to bring a basic scientific calculator to the class, so you can perform calculations.

Keys to success in the class: (including these, but not limited to)

i) Regular attendance; ii) Do the homework; iii) Follow the lecture and take notes; iv) Read summary at the end of each chapter from the textbook

Grading: This course will be graded on a percentage system. A 75% is acceptable as a minimum passing level. The following percentages will be used as guidelines when determining grades:

A : 95-100
A- : 93-94
B+ : 89-92
B : 84-88
B- : 82-83
C+ : 78-81
C: 75-77
D: 65-74
F: <65

The instructor reserves the right to scale the grades.

Academic authority

The office of the dean of the school in which the student is enrolled is the final authority in all academic matters, with the exception of general education requirements, and is charged with the interpretation and enforcement of academic requirements. Any exceptions or changes in academic requirements, graduation requirements, or grades are not valid unless approved by the dean. Any actions taken by individual faculty members with regard to these matters are advisory only and are not binding on the school or the University unless approved by the dean.

Academic integrity

The academically dishonest act considers that academic dishonesty intentionally violates the community of trust upon which all learning is based, intentionally compromises the orderly transfer of knowledge from teacher to student, and is inconsistent with good professional and moral behavior. Accordingly, the penalty for academic dishonesty is severe.

Acts of dishonesty include but are not limited to:

- theft;

- falsifying or changing grades or other academic records;
- plagiarism or excessive paraphrasing of someone else's work;
- knowingly giving, obtaining, or falsifying information during examinations or other academic or professional practice assignments;
- using unauthorized aids during examinations;
- loud and disruptive behavior during lectures, demonstrations, or examinations;
- excessive unexcused absences from classes or from clinical assignments.

"Examinations" are defined as regularly scheduled tests, quizzes (scheduled or unscheduled), final examinations, comprehensive assessments, take-home tests, open-book tests, and any other assignment given by an instructor or preceptor whether for a grade, points toward a grade, or for zero points (e.g., a learning exercise).

Instructors and students are responsible for reporting instances of academic dishonesty for investigation. An instructor may take immediate action during an examination or other point-generating activity in order to maintain the integrity of the academic process. Substantiated violations are to be brought before the designated disciplinary body for action. Disciplinary action may include receiving a failing grade on the examination or assignment, receiving a failing grade in the course, suspension, or permanent dismissal from the program.

Conduct

Students are expected to conduct themselves in a professional manner during didactic and clinical training. Professional conduct includes (but is not limited to) punctuality; and respect for other people, their property, and their right to learn. It also includes an appropriate respect for those in authority. Students of Loma Linda University are expected to behave in a manner that will not bring criticism upon themselves, the program, the school, or the University.

Because students may be exposed to patients' relatives and friends in any public place, and because their conversations and their attitudes have an effect on those around them, students are asked to observe the following:

- Any information given to the student by a patient or contained in a medical record must be held in strict confidence. Therefore, the discussion of a patient's diagnosis

and treatment or other clinically related topics should be extremely guarded. A patient's family and community people may be listening and may incorrectly interpret the things discussed. Careless talk may lead to malpractice litigation.

- A joking or casual attitude toward illness and medical treatment should not be displayed since it may seem uncaring and be disturbing to those who are ill and suffering, as well as to the family members.
- Student and staff behavior in professional situations may be the deciding influence for or against Christian beliefs, values, and a health-enhancing lifestyle.

An in-depth description of the professional conduct expected of students is contained in the Loma Linda University *Student Handbook*.

AHCJ 111	***Anant K Mandapaka, MS DABR***			
Mondays			**Wednesdays**	
Date	**Title**		**Date**	**Title**
6/18/2018	Introduction, measurement and Estimating		6/20/2018	Introduction, measurement and Estimating
6/25	Kinematics in one dimension		6/27	Kinematics in 2 dimensions
7/2	Kinematics in 2 dimensions		7/4	**Holiday**
7/9	Test 1 Review		7/11	**TEST1**
7/16	Newton's Laws of Motion		7/18	Newton's Laws of Motion
7/23	Circular motion, Gravity		7/25	LAB 1(Equations of Motion)
7/30	**Meeting?? (Maybe No class)**		8/1	**TEST2 (take home)**
8/6	Work and Energy		8/8	LAB 2 (Centripetal force)
8/13	Linear Momentum		8/15	LAB 3 (Physical Pendulum)
8/20	Static Equilibrium		8/22	Special topic lecture
8/27	Test 3 review		8/29	**TEST 3**