Catalog Description: Integrated Science I. Three semester hours. (2 lecture, 2 lab) This University Studies introductory course is the first course in the two-semester series focusing upon building a sound foundation of basic scientific principles. The integrated interdisciplinary application of these scientific principles to the other natural sciences will be emphasized. The overall aim of the course is to teach the students to effectively apply the acquired background to critically examine public issues.


Goals of the Course: Students will
1. understand the characteristics of high-quality natural science;
2. understand the importance of experiments to the natural sciences and have developed basic laboratory skills;
3. have an awareness of ongoing scientific progress and sources of accessible information about scientific advances;
4. understand the elementary concepts describing classical physics of mechanics, heat and thermodynamics, sound and waves, electricity and light, atomic nature of matter, and chemistry;
5. become confident in their ability to learn science and apply it to “real-world” situations.

Instructor:
Charles Rogers
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Office Hours: One half hour before and after all my classes and by appointment at other times. Typically, I am also available for help most afternoons and many evenings.

Grading Procedure and Scale: The lecture part of the course grade is determined from homework, four one-hour exams, weekly quizzes/exercises, and a final comprehensive exam as outlined below.

- Homework, attendance, and pop quizzes 100 points
- One-hour exams 100 points (total 300 points)
- Final exam (comprehensive) 100 points
One exam grade can be dropped from consideration

Course Grade: The course grade is determined from the weighted average of the lecture (counts for 3/4 of the final grade) and lab (counts for 1/4 of the final grade) grades according to the schedule:
- 90% and up A
- 80% to 90% B
- 60% to 80% C
- 50% to 60% D
- less than 50% F

Attendance and Tardiness: Students are expected to be on time and present for all class meetings. Excused absences can be arranged prior to the class period being missed for appropriate activities as determined by the instructor. If an emergency results in an absence, the student should contact the
instructor as soon as possible informing the instructor of the emergency and inquiring about ways to
make up the missed class. The instructor will make judgements on how to handle the situation.
Possible reasons for an excused absence are listed in the “Student’s Guidebook” under class
attendance policy. Attendance and tardy records will be maintained and both may result in deductions
from your overall grade.

**Classroom Behavior:** Disorderly conduct which interferes with the normal classroom atmosphere will
not be tolerated. The classroom instructor is the judge of such behavior and may instruct a disorderly
student to leave the room with an unexcused absence or in more serious situations a student may be
removed from the class with a failing grade.

**Cheating and other Breaches of Academic Conduct:** Academic cheating, plagiarism, and other
forms of academic misconduct may result in removal of the student from class with a failing grade or
may in extreme cases result in suspension or expulsion from the University as described in the “Code
of Student Conduct” section of the “Student’s Guidebook”.

**Students with Disabilities:** The Americans with Disabilities Act (ADA) is a federal antidiscrimination
statute that provides comprehensive civil rights protection for persons with disabilities. Among other
things, this legislation requires that all students with disabilities be guaranteed a learning environment
that provides for reasonable accommodation of their disabilities. If you have a disability requiring an
accommodation, please contact:

**Office of Student Disability Resources and Services**
Texas A&M University-Commerce
Gee Library Room 132
Phone (903) 886-5150 or (903) 886-5835 and Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu

**Evaluation of Instruction:** Students will be given opportunities to evaluate instruction near the end of
the semester. The physics department may return this semester to using a scantron graded
questionnaire with statements regarding various elements of instruction and in addition utilizes an
open ended form where students can make comments on all elements of the classroom. These
comments are given to the instructor and department head soon after the grades are recorded. If
students have concerns about the classroom experience during the semester they should inform the
instructor of those concerns and failing a satisfactory response may, as a last resort, contact the
physics department head with those concerns.