Tentative Syllabus for Integrated Science 1415
INTEGRATED SCIENCE I
Spring 2013

Catalog Description: *Integrated Science I.* Four semester hours. (3 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.

Textbook: *Conceptual Integrated Science 2nd edition,* by Hewitt, Lyons, Suchocki, and Yeh, ISBN: 13: 978-0-321-81850-8, Pearson Addison Wesley Press.

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
office S-238 & research lab S-108
charles_rogers@tamu-commerce.edu

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.

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. 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.