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,

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.