

## TENTATIVE SYLLABUS FOR IS 1415

### INTEGRATED SCIENCE I

SPRING 2014

#### Course Description:

*Integrated Science I.* Four semester hours. (3 lecture, 1 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 ed., by Hewitt, Lyons, Suchocki, & Yeh, Pearson, ISBN# 978-0-321-81850-8.

Lecture Time and Place:            MW 2 – 3:15 pm            Room STC - 122

Labs, time, location:            Section 01L    T 1:00 PM    Room STC-146  
   Section 02L    F 1:00 PM    Room STC-146

#### Instructor:

Dr. A. R. Chourasia  
Office:            STC-232 (STC-113)  
Phone:            903-886-5485 (886-5491)  
Office Hours: 1-2 PM and 4-5 PM  
Email:            Anil.Chourasia@tamuc.edu

#### Student Learning Outcomes

- \* Students will gain a better understanding of physical science concepts
- \* Students will better understand scientific processes and test for further Scientific knowledge
- \* Students will understand the conceptual differences between facts, Theories, and laws
- \* Students will be able to compare the separate science disciplines and make integrative connections

## Grading Policy:

Lab		25%
Minitest	At the end of each chapter	50%
	(The lowest grade in the Minitest will be dropped)	

Final exam (Comprehensive) 25%

**A = 90+**

**B = 80-89**

**C = 70-79**

**D = 60-69**

### There are No Makeup Tests or Minitests

### There is No Extra Credit Work

- A failing grade in lab will automatically result in a failing grade for the entire course.
- Four (4) consecutive unexcused absences, or six (6) cumulative unexcused absences, will result in a failing grade. A course which is failed due to excessive absences has more serious financial aid consequences than a course which is failed in spite of regular attendance.

### **Lecture and Test (Tentative)**

Chapter 2	Describing Motion
Chapter 3	Newton's Law of Motion
Chapter 4	Momentum and Energy
Chapter 5	Gravity
Chapter 6	Heat
Chapter 7	Electricity and Magnetism
Chapter 8	Waves – Sound and Light
Chapter 28	The Solar System
Chapter 29	The Universe

**Final Exam is on Monday, May 5 at 2:00 pm**

**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 anti-discrimination 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**

**Fax (903) 468-8148**

**[StudentDisabilityServices@tamu-commerce.edu](mailto:StudentDisabilityServices@tamu-commerce.edu)**

**Evaluation of Instruction:** Students will be given opportunities to evaluate instruction near the end of the semester. The physics department utilizes 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.