

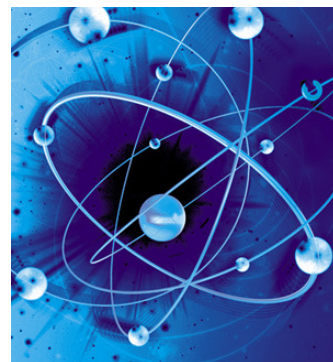


STEM Ambassadors

Fall 2009

Interdisciplinary Studies (INTDS) 100

Section # 56726



Instructor: Dr. John Heathcote

Class Times:

Lecture: F, 8:00-8:50 am, CCI-205

Lab: 3 hours per week, arranged

Office: FEM – 4D

My office is in the back left corner of FEM-4E. It is okay to enter the computer lab even if there is a class. Just quietly walk in and look for me in my office.

Phone: 638-3641 ext. 3215

Cell Phone: 305-3129

e-mail: john.heathcote@reedleycollege.edu

Office Hours: Tuesday, 12:00-12:50 pm
Wednesday, 1:00-1:50 pm
Thursday, 1:00-1:50 pm
Or feel free to stop by or make an appointment

Textbook: None

Prerequisites: None

Grading:

20% Class Grade

80% Field Work Grade

Class Grade: The class grade will be based upon activities done in or for the weekly lectures. Points will be earned based upon participation, homework, quizzes, and other in-class activities.

Field Work Grade: The field work grade will be based upon participation in STEM Ambassador activities. Points will be earned for each activity in which a student takes part.

Note on Labs and Field Work: The major part of this course is the students' participation in college recruitment activities, including tutoring high school students, giving recruitment presentations at off-campus sites, hosting prospective student groups for on-campus visitations and sponsoring recruitment activities for prospective students. Over the course of the term, you are expected to participate in at least an average of 3 hours of these activities per week.

Earned Percentage of Possible Points - Grade:

90 - 100%	A
80 - 89%	B
70 - 79%	C
60 - 69%	D
< 60%	F

Attendance & Participation: Your attendance and participation are important. Attendance will be taken at the beginning of each class period. **Since this class meets once per week, students missing (2) or more classes can be dropped for non-attendance.**

Unless you regularly prepare for and attend class you can not participate fully in the course. Your success in this course depends on your active participation.

Expectations of STEM Ambassadors:

When you visit a school or act as a host, you are representing Reedley College. Therefore, you are expected to dress appropriately and to behave professionally.

Appropriate Apparel: When acting as a STEM Ambassador, you are expected to dress appropriately. Typically, this will involve wearing the STEM shirt/outfit. Inappropriate clothing would include items such as low cut clothing, excessively short skirts or shorts, or low riding pants. Please be aware that one role of this class is to prepare you for professional work.

Professional Behavior: When acting as a STEM Ambassador, students are expected to avoid profane language and to avoid inappropriate conversations. Keep in mind that you are the face of Reedley College, and the way that you act reflects upon our school.

Class Communication:

Communication between students and the instructors teaching the course or leading outreach activities is very important. Because of this, each student must use email and access the course Blackboard site in order to remain up to date with this course.

An email address is required of all students.

Some email rules:

#1... Clearly indicate your full name in the email

#2... Use the spell checker!!! And use proper grammar!!!

#3... DO NOT TYPE IN ALL CAPS!!! Because that is the same as yelling at me.

#4... Please remember that you are in training for your professional career... whatever that might be... So one of the best places to start practicing is in this class....

There will be a Blackboard website for this course. You can use this website to find materials related to the course as well as to check the schedule of activities.

Classroom Behavior:

Class begins on the hour, not 10 minutes past the hour. In an effort to be courteous to your fellow students and the instructor, please make sure that you are in your seat and ready to “get to work” on time. Students who are habitually tardy (3 or more times per term) will be penalized, as will those who leave class early – without making prior arrangements.

Cell Phones: * Please, if you carry a cell phone or pager, please turn the **ringer off** or to vibrate so the rest of the class is not disrupted by a ring or beep. If your cell phone/pager rings, beeps or makes any other audible sounds in class, you can expect to be asked to leave the class for the day – impacting your attendance/participation credit. If you are “excused” from class more than once for a cell phone “violation”, you can expect to be asked to leave the class on a permanent basis.

Food and drink are not permitted in the classroom.

* **Ethics in the classroom (in person or on-line):** Cheating and plagiarism is not acceptable in this class (or any other).

* **Accommodations for students with disabilities:** If you have a verified need for an academic accommodation or materials in alternate media (i.e.: Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me, or the **DSPS office - ext 3332** as soon as possible

* Please see the Reedley College catalog for clarification of issues and additional guidelines.

Course Description:

This course is designed as a participatory class in careers and opportunities in STEM (Science, Technology, Engineering, and Mathematics) fields. Students will undergo leadership training through application of individual and group leadership techniques and participate as STEM Ambassador team members in college recruitment activities, including giving recruitment presentations at off-campus sites, hosting prospective student groups for on-campus visitations and sponsoring recruitment activities for prospective students. The course content will cycle through the following topics: STEM Careers, Technological Advances in STEM, Career Skills in STEM, Environmental Technologies in STEM, STEM Education, and International Developments in STEM. Students may repeat the course when different topics are being offered. *This semester will focus on STEM Careers.*

Learning Objectives & Outcomes:

- Demonstrate effective communication skills in an individual or group presentation on a STEM-related topic.
- Explain STEM-related career and industry information to prospective students.
- Describe the major components and program requirements of each major in the STEM programs at Reedley College to a prospective student group.
- Fulfill a variety of roles in a team effort to accomplish a group activity.
- Organize STEM-related presentations for prospective students
- Research topics in STEM fields
- Prepare and deliver oral presentations
- Develop teamwork skills
- Organize and host events for guests and prospective student groups

WEEKLY CLASS ACTIVITIES SCHEDULE

THIS SCHEDULE IS SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE INSTRUCTOR.

SECTION I (5 weeks)

Topic: Ambassadors Training

- Week 1. Course Overview / Standards and Skills
- Week 2. College Outreach / Campus Tour
- Week 3. STEM Departments / Tour (STEM Counseling)
- Week 4. College Admissions
- Week 5. Financial Aid

SECTION II (6 weeks)

Topic: Reedley College STEM Presentation

(During these 6 weeks, the class will work together to put together the RC STEM Presentation)

- Week 6. STEM Programs at Reedley College
- Week 7. STEM Education (Transfer Schools, Degrees)
- Week 8. STEM Careers (STEM-related industries, Career Opportunities)
- Week 9. Using Multimedia in Presentations
- Week 10. Group Reports
- Week 11. Putting the Whole Presentation Together

SECTION III (7 Weeks)

Topic: STEM Ambassador Projects – *Marketing a STEM Program*

- Week 12. Project Planning, Example Projects
- Weeks 13-18. Developing/Presenting Projects