

Interdisciplinary Studies (INTDS-102)

Fall 2019 Course Syllabus

Reedley College, SCCCD

Course Info:

Course #: 58581 – Lectures are **Fridays, 12:00 – 12:50 pm in Physical Science, Room 75**

Course Description: This is a course in preparing and leading STEM (Science, Technology, Engineering, and Math) outreach projects. Students will learn the principles behind outreach activities that are used with K-12 students to educate and excite them about STEM subjects and opportunities. Students will also lead these activities and work together to design new activities.

Course Objectives:

- Research scientific topics related to STEM demonstrations and activities.
- Prepare and lead outreach activities based on STEM topics for K-12 students.
- Host on-campus STEM-related educational events, such as “SciFri” science activities and Upward Bound Saturday Sessions

Advisories: Eligibility for English 126 and Mathematics 201

Prerequisites:

None

Instructors' Contact Information:

Instructor: Joseph Lin

Office: LFS 5

Monday on LINE at 1:00-2:00

Tuesday/Thursday 2:30-3:30 PM

Wednesday 2:00-3:00 PM

Friday 1:00-2:00 PM

Phone: (559) 638-0300 ext. 3407

E-mail: joseph.lin@reedleycollege.edu

Instructor: Kelsey Casteel

Office: FEM 1G (far corner of the math center)

Office Hours: MWF 9:00 - 9:50 am TTh 10:00 - 10:50 am

Phone: (559) 638-0300 ext. 3799

E-mail: kelsey.casteel@reedleycollege.edu

Required Items: A STEM t-shirt

Textbook: None

Online access: You'll need to have the ability to log-in to Canvas in order to access and print course materials; this can be done using a personal computer, smartphone, or via on-campus resources (e.g. a RC library computer)

Grading: Your course grade will be calculated as follows...

Lab Hours Grade	25%
Ambassador Hours Grade	10%
Individual/Pair Projects (2 parts)	25%
Individual Assignment(s) (5 parts)	25%
Weekly Class Participation Grade	15%

*Grading Scale:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

*The instructor reserves the right to alter grade ranges to accommodate borderline grades.

Lab Hours Grade:

The lab portion of this course is satisfied by the students' participation in college outreach 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. Other activities that involve preparation for these activities or activities that involve learning skills useful as a STEM Ambassador will also be counted for lab time. Lab hour opportunities will be posted to Canvas under the discussions section. Over the course of the term, you are expected to participate in a total of 31 hours of these activities (an average of 2 hours per week). Of those 31 hours, 16 of them will be ambassador hours (see below). It is recommended that you print out the lab hours sheet off of canvas and keep track of your hours throughout the semester. At the end of the semester, you will turn in your lab hours sheet for credit.

Ambassador Hours Grade:

"Ambassador Hours" are the hours that you achieve while attending class visits at schools, doing STEM Ambassador activities on campus or at other locations. For the whole semester, you are expected to participate in a total of 16 hours of these activities. These 16 hours will be counted toward the 31 total lab hours. Ambassador activities will be posted under the discussions section in Canvas. *** Please note that extra ambassador hours count as lab hours, but lab hours do not count as ambassador hours.

Group Projects:

TBA

STEM Course/Club Officer Duties:

President: The duties for this position should be tailored as the student organization deems necessary. The responsibilities of this position tend to include but are not limited to: attend all STEM meetings and preside at all meetings. If he/she must be absent, the President notifies the Vice President who then presides their place.

Moreover, they must be familiar with college procedures and policies affecting club operations and prepare an agenda for each meeting alongside the advisors. They also appoint committees as directed and define their responsibilities, see if committees act and report promptly and fully, collaborate with membership to ensure that programs are planned, facilitated and evaluated, consult regularly with the programs Advisor(s), but remember that the activities of the club should be planned and carried out by students, not the Advisor. Lastly, they should work and coordinate effectively with all officers, club members and advisors.

Vice President: This position entails being the President's "right hand person". The responsibilities of the Vice President include but are not limited to: attend all STEM meetings, conduct meetings in the absence of the President and take a full share of responsibilities for the club to function effectively. Also, they must be familiar with college procedures and policies affecting club operations, attend all officer meetings, assist the president, officers, club members and advisors with all major club duties, decisions and event planning.

Treasurer: The treasurer should keep the officers and members informed about the student organization's financial activities. The responsibilities of the treasurer include but are not limited to: handle the funds responsibly, follow the official cash handling procedures of the college, pay bills and transact business promptly, in accordance with the policies established by the college and the organization, keep complete and accurate records. When a new Treasurer is elected, previous records should be audited and the new Vice President should be given definite information concerning the balance on hand and all outstanding obligations of the club. It is customary to give receipts for payments received and use a receipt book or log. A financial statement should be prepared and reported at the end of the month of all regular club meetings. Moreover, they must fill out paperwork and forms needed for the use of facilities and permissions for fundraising and will work closely with the secretary.

Secretary: The responsibilities of the student organization secretary include but are not limited to: attend all meetings, record all decisions (Minutes) and promptly prepare minutes following each meeting. Along with the Advisor's review and approval, the minutes that are taken during each meeting should be available to all members within one week of the meeting. Moreover, they must promptly post minutes on Canvas after every meeting, keep an accurate file of minutes and actions, notify the advisors of any problems and will be working closely with the treasurer to record all decisions and amounts made.

Historian: The responsibilities of the student organization historian include but are not limited to:

Attend meetings and club activities to keep STEM social media accounts up to date (Facebook and Instagram and Snapchat) while taking pictures of all events. Moreover, they will take pictures of officers and members per semester and work closely with the publicist.

Publicist: The responsibilities of the student organization publicist include but are not limited to: attend majority of meetings and club activities, create flyers and post notifications of all of STEMS events for the club members, college and community, contact people about collaboration and work closely with the historian.

Weekly Class Participation Grade:

The weekly class meeting for this class is very important for both the organization of the ambassador activities and for your development as ambassadors. Because of this, you will receive a participation score for each week's class. To receive full credit, you need to show up to class on time, be prepared, and participate in the day's activities.

Attendance:

This course is being taken for course credit (i.e. for units), and as such students are required to show up to class on-time, every week. Attendance will be taken at the start of class. A cumulative total of **2** absences by the ninth week may result in the student being dropped from the course. If it is unavoidable for you to miss a Friday morning meeting, you can make up the absence by visiting Mr. Lin or Ms. Friesen during their office hours to find out what was discussed in class.

Individual Assignment(s):

During the semester, you will be expected to complete individual assignments based upon the theme of this course. These assignments will be graded.

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 or another Reedley College shirt. 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 Canvas site in order to remain up to date with this course.

***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.

Important Dates:

- Monday August 12th : Start of the semester
- Friday August 23rd : Last day to drop a full term (18 week) course for a full refund
- Monday September 2nd : Last day to drop the class and NOT receive a W (withdraw). It is as if you were never in the class.
- Monday September 2nd : Labor Day Holiday (no classes, campus closed)
- Friday October 11th: Last day to drop a full term class (letter grades assigned after this date)
- Monday November 11th : Veterans Day Observed (no classes held, campus open)
- Thursday/Friday November 28-29th : Thanksgiving Holiday (no classes held, campus closed)
- December 9-13th : Final exam week (we do not have our usual Friday class meeting)

INTDS 102, Fall 2019 Schedule

This schedule is a tentative one and is subject to change by the instructor(s).

Week No.	Month & Day	Topic
Week 1	Aug 16	Intro to INTDS 102, syllabus + course policies, intro to Canvas, Line app for messaging
Week 2	Aug 23	Practice STEM activities/prepare for outreach events
Week 3	Aug 30	Practice STEM activities/prepare for outreach events
Week 4	Sep 6	Discuss/plan SciFri event at RC
Week 5	Sep 13	Practice STEM activities/prepare for outreach events
Week 6	Sep 20	Practice STEM activities/prepare for outreach events
Week 7	Sep 27	Discuss group projects
Week 8	Oct 4	Outreach planning / group projects
Week 9	Oct 11	Outreach planning / group projects
Week 10	Oct 18	Practice STEM activities/prepare for outreach events
Week 11	Oct 25	Practice STEM activities/prepare for outreach events
Week 12	Nov 1	Practice STEM activities/prepare for outreach events
Week 13	Nov 8	Practice STEM activities/prepare for outreach events
Week 14	Nov 15	Group presentations
Week 15	Nov 22	Group presentations
Week 16	Nov 29	NO CLASS THANKSGIVING
Week 17	Dec 6	Class photo, STEM end of semester party, officer elections
Week 18	Dec 9-13	Meet as needed during finals week