

ISC 2054: STEM Seminar I

Course Syllabus: Sections 300 and 301

Fall 2022

Lecture Details:

Office: MSB 231B

Course Credits: 1 credit hour

Meeting Time: Tuesday and Thursday 3:00-4:20 PM

STEM Seminar I Team:

Instructor: Hanna Reed

Hanna is who you should contact if your last name starts with A - F

Email: hanna.reed@ucf.edu

Office Hours: F: 1:00pm - 5:00pm in the EXCEL Center

Graduate Teaching Assistant: Isabel Carvalho

Isabel is who you should contact if your last name starts with G - M

Email: Isabel.Carvalho@ucf.edu

Office Hours: T: 1:00pm - 3:00pm / W: 2:00pm - 5:00pm / R: 1:00pm - 3:00pm /

F: 2:00pm - 5:00pm

Graduate Teaching Assistant:

Al is who you should contact if your last name starts with M - Z

Email: almuthanna.alani@ucf.edu

Office Hours: M: 2:30pm - 5:30pm / T: 9:00am - 12:00am / R: 11:00am - 2:30pm in

the EXCEL Center

Contact Etiquette:

It is possible that you will have a question or concern about the course during the semester. Please make sure you contact the appropriate person based on your last name (as described above). In your email, please use the subject line: ISC2054 - Last

name, First name - details. For example, the subject line may look like: ISC2054 - Reed, Hanna - Math Review Location. Two business days is considered a reasonable response time for us. If you do not receive a reply, it is your responsibility to send a follow-up email.

Course Information:

I. Welcome EXCEL/COMPASS Students!

As a member of the EXCEL/COMPASS community, it is expected that you will actively participate in the EXCEL/COMPASS Seminar course as well as other co-curricular activities sponsored by the EXCEL/COMPASS program. In addition to this course, you should also be registered for your appropriate EXCEL/COMPASS math course. If this is not the case, please contact the EXCEL office immediately at (407) 823-6230 or email EXCEL@ucf.edu.

II. Course Description:

Lectures and activities supporting the EXCEL/COMPASS community, including exploration of STEM fields and majors, research opportunities, application of fundamental mathematics and science concepts.

III. Course Objectives:

In this course, students will:

- Discover and analyze learning styles and strategies
- Explain fundamental mathematics concepts in relation to STEM majors
- Compare and contrast STEM fields
- Explore professional opportunities for STEM majors
- Evaluate rationale for chosen major
- Explore undergraduate research opportunities in STEM
- Build a EXCEL/COMPASS learning community

IV. Course Prerequisites:

First year students in the UCF EXCEL/COMPASS program.

V. Required Texts and Materials:

No text required. Class materials will be provided through UCF WebCourses. You will need access to Zoom for some of the class sessions.

You will need to purchase the iClicker system from the bookstore. ***Note: This course requires an iClicker+ but an iClicker2 will also work. So, if you have a class that requires an iClicker2, it can be used for both classes.*** Please do not purchase REEF for iClickers. This system does not allow TA's to run multiple sessions from different classrooms simultaneously. **The iClicker registration deadline is September 1, 2022 at 11:59pm.**

VI. Grading:

Participation will be assessed through the use of polls and in-class activities. A team project and seven written assignments will be given throughout the semester on various topics. Students will take a syllabus quiz during week one and will participate in several surveys regarding class activities. **Syllabus Quiz is due by August 26, 2022 at 11:59pm.** There is no final exam for STEM Seminar I.

Assessment	Percent of Final Grade
Written Assignments (6) Syllabus Quiz, and Class Surveys	34%
Participation	33%
Team Project	33%
Total	100%

Grades for this course are assigned as Satisfactory (S) or Unsatisfactory (U).

Grading Scale %	Grade
70 – 100	S
< 70	U

- **Participation (33%):**

Participation is a very important part of STEM Seminar. Course meetings, guest speakers, math reviews, study sessions, and academic advising will be important opportunities for study and making connections with students and professors. Participation will be assessed using iClickers during live sessions, and quizzes/surveys for pre-recorded ones. Students can purchase iClickers at the UCF bookstore. Students will be expected to have their iClickers for **every course meeting starting Tuesday, 8/30/2021 by class time at 3:00pm.** During the scale-up period between 8/22/2021 and 8/29/2021, you will be expected to purchase your iClicker, register it, and try it out in class. If you attend STEM Seminar I after **8/30/2021** and do not bring your iClicker, you will not be given credit for participation for that class

session. **If you feel that there is an error in your participation grade, you have two weeks from the absence or error to dispute your participation grade.**

- - **Math Reviews:** Math reviews are required as part of your participation grade in STEM Seminar. Attendance will be taken by the TA in math reviews.
- **Written Assignments (34%):**

Students will be required to write **multiple one-page reflections papers** about their experiences with course activities. These papers are important opportunities to reflect on what has been learned from these experiences as well as hone your written communication skills. Details about paper length and formatting will be posted on WebCourses. All assignments must be submitted as Word documents (.doc or .docx) files and each assignment will be checked for plagiarism using Turnitin.com via WebCourses.

- **Team Project (33%):**

Students will work in teams to develop or choose a topic in STEM to research. They will be asked to create a presentation to illustrate what they learned about their topic. Students will then convert the presentation into a downloadable video file, upload and submit their project by **Thursday 11/08, 11:59pm**. Following submission, teams are required to conduct three peer-reviews of other team's projects by watching their video, discussing the content, and giving feedback. Peer reviews will be due on **Thursday, 11/17, 11:59pm**. More information including project rubric will be given in class.

- **Course Surveys:**

Because the EXCEL/COMPASS program is a grant-funded program at UCF and research is conducted on your experiences and participation in the program, you will be given a number of surveys throughout the course to assess your experience and solicit feedback. Your candid, appropriate responses to these surveys help us not only to determine the efficacy of the EXCEL/COMPASS program, but to make changes based on your feedback.

VII. Grade Dissemination:

Students can access their scores any time using the Grade Book function of WebCourses. Please note that scores returned mid-semester are unofficial grades. Students are expected to check their grades often and stay updated on their progress in the course. Participation grades, such as survey/poll responses, will be posted weekly. **Students have two weeks from the date of the posting to dispute these grades.**

VIII. Course Policies: Late Work and Attendance

- **Late Work Policy:** Written assignments turned in late will be assessed a penalty: 10-point deduction if it is one day late and 20-point deduction if it is two days late. **Assignments will not be accepted if overdue by more than two days and will receive a zero grade. No make-up work will be accepted.**
- **Attendance Policy:** There are no make-ups for missed classes and no excused absences in this course. Students are expected to answer the poll questions throughout class. At least four questions will be given throughout the duration of the course meeting, and students must click in for a majority (i.e. 3 of 4, 4 of 6, etc.) of poll questions to receive credit for the day. If you answer less than the majority of questions, you will not be given credit for the day. If you feel there was an error with your attendance you must contact the professor within **two weeks of the missed class or error** in order for adjustments to be made.

IX. Course Policies: Technology and Media

- **WebCourses:** All course communication will be through WebCourses and email. Emails to the instructor or GTAs should be through email and will be responded to within 72 hours, M-F. Grades for each in-class activity and writing assignment will be released in WebCourses, along with the final grades. Class materials such as PowerPoint presentations, assignments, grading rubrics, etc. will be posted on WebCourses as well. **Students are expected to log in at least twice a week to check for class announcements, emails, and to receive updates on their grade.**

X. Course Policies: Student Expectations

- **Disability Access:** The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students who need accommodations must be registered with Student Disability Services, Ferrell Commons Room 185, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.
- **Attendance Policy:** Participation counts for one third of the total course grade, therefore, it is imperative that students attend class.
- **Professionalism Policy:** Please arrive on time for all class meetings. Students who habitually disturb the class by talking, arriving late, etc., and have been warned may suffer a reduction in their final class grade. Your instructor is happy to respond to student emails and questions, but I have a “three before me” policy regarding student questions that can be easily answered by reading the syllabus or visiting WebCourses. Before you communicate with me via email you must check three sources that can include, but are not limited to: a) the syllabus, b) WebCourses announcements, c) weekly emails, and d) GTAs in the lab. Other students

are not necessarily the best sources of information, so be sure to check reliable source for information.

- **Academic Honesty: Reflections Papers:** All reflections papers should be original and unique work produced by each individual student. Plagiarism and self-plagiarism are not tolerated. Turnitin.com is enabled for every writing assignment via WebCourses, and students are not required to register for this service. Students must turn in work that is at least **85% original or greater** or they will receive a zero for the first offense. If a second breach of ethics is noted, the student will be referred to the Office for Student Conduct and will risk receiving a “U” grade for the course.

XI. Important Dates:

Withdrawal Deadline: Friday, October 28, 2022 at 11:59 pm

Thanksgiving Break: Wednesday, November 23 – Saturday, November 26, 2021

XII. Statement Regarding Covid-19:

Per [UCF Emergency COVID-19 policy](#), follow CDC guidelines regarding facial coverings. Consistent with these guidelines, we expect individuals to wear face coverings while indoors.

Depending on the course of the pandemic during the semester, the university may make changes to the way classes are offered. If that happens, please look for announcements or messages in Webcourses@UCF or Knights email about changes specific to this course.

COVID-19 and Illness Notification: Students who believe they may have a COVID-19 diagnosis should contact UCF Student Health Services (407-823-2509) so proper contact tracing procedures can take place.

Students should not come to campus if they are ill, are experiencing any symptoms of COVID-19, have tested positive for COVID, or if anyone living in their residence has tested positive or is sick with COVID-19 symptoms. CDC guidance for COVID-19 symptoms is located here: (<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>)

Students should contact their instructor(s) as soon as possible if they miss class for any illness reason to discuss reasonable adjustments that might need to be made. When possible, students should contact their instructor(s) before missing class.

In Case of Faculty Illness: If the instructor falls ill during the semester, there may be changes to this course, including having a backup instructor take over the course. Please look for announcements or mail in Webcourses@UCF or Knights email for any alterations to this course.

Course Accessibility and Disability COVID-19 Supplemental

Statement: Accommodations may need to be added or adjusted should this course shift from an on-campus to a remote format. Students with disabilities should speak with

their instructor and should contact sas@ucf.edu to discuss specific accommodations for this or other courses.

Fall 2022 STEM Seminar I Class Schedule

Class meets in CB2, 207 or CB1, 104 T/TH from 3-4:20 determined by the schedule below:

Week	Date	Topic	Assignments	
			Assigned	Due
1	8/23	Welcome to EXCEL CB2, 207: Everyone	<ul style="list-style-type: none"> • A#1: Get to Know You • Metacognition Assignment • Syllabus Quiz 	
	8/25	No Class (Everyone)		Syllabus Quiz due 8/26, 5pm
2	8/30	Math Pre-Tests CB2, 207: Everyone	<ul style="list-style-type: none"> • A#2: Volunteer Assignment • A#3: Games Survey • A#4: Time Management • A#5: Knight Life • Team Topic – specify interests 	
	9/4	No Class (Everyone) - Football Game		Metacognition Assignment and iClicker registration due 9/1 at 11:59pm A#4(Time Management part 1) due 9/5 at 11:59pm
3	9/6	Time Management & Study Skills (Part 1) CB2, 207: Everyone		
	9/8	Math Reviews CB2, 207: College Algebra CB1, 104: Math for Calc No Class: Calculus I, Calculus II, Calculus III		A#1(Get to Know You) and Team Topic due 9/8 at 11:59pm
4	9/13	EXCEL/COMPASS Student Panel CB2, 207: Everyone	<ul style="list-style-type: none"> • Team Project 	
	9/15	Math Review CB2, 207: Calculus II No Class: College Algebra, Math for Calc, Calc I, Calc III		A#4(Time Management part 2) due 9/15 at 11:59pm
5	9/20	Math Reviews CB2, 207: Calculus I CB1, 104: Calculus III		

Week	Date	Topic	Assignments	
			Assigned	Due
		No Class: College Algebra, Math for Calc, Calculus II		
	9/22	NASA - ASF Recognition Student Union, Pegasus Ballroom: Everyone		A#1 (Get to Know You) Comments, and Pick Team/Topic (via webcourse student groups) due 9/22 @ 11:59pm
6	9/27	Career Services CB2, 207: Everyone	• Assignment 6: Resume / Handshake Registration	A#3 (GAMES Survey) due 9/27 at 11:59pm
	9/29	Time Management & Study Skills (Part 2) CB2, 207: Everyone		
7	10/4	Advising Session (everyone) CB2, 207: College of Engineering and Computer Science CB1, 104: College of Sciences and Medicine		
	10/6	Math Review CB2, 207: Math for Calc CB1, 104: Calculus III No Class: College Algebra, Calc I, Calc II		A#6 (Part 1 - submissions) due 10/6 @ 11:59pm
8	10/11	Math Review CB2, 207: College Algebra No Class: Math for Calc, Calc I, Calc II		
	10/13	No Class (Everyone) - Football Game		
9	10/18	Math Reviews CB2, 207: Calculus I CB1, 104: Math for Calculus Room TBA: Calculus II No Class: College Algebra and Calculus III		
	10/20	Entrepreneurship/Blackstone CB2, 207: Everyone		A#6 (Part 2 - comments) due 10/20 at 11:59pm

Week	Date	Topic	Assignments	
			Assigned	Due
10	10/25	Industry Speaker (Engineering) Industry Speaker (Science)	<ul style="list-style-type: none"> Industry Speaker Survey 1 	
	10/27	Industry Speaker (Engineering) Industry Speaker (Science) Math Reviews (3) Room TBA: Calculus III		Withdrawal Deadline: 10/28
11	11/1	Industry Speaker (Engineering) Industry Speaker (Science)	<ul style="list-style-type: none"> Industry Speaker Survey 2 	Speaker Survey 1 due 11/1 at 11:59pm
	11/3	Industry Speaker (Engineering) Industry Speaker (Science) Math Reviews Room TBA: College Algebra Room TBA: Math for Calculus		
12	11/8	Industry Speaker (Engineering) Industry Speaker (Science)	<ul style="list-style-type: none"> Industry Speaker Survey 3 	Team Project and Speaker Survey 2 due 11/8 at 11:59pm
	11/10	Industry Speaker (Engineering) Industry Speaker (Science) Math Review Room TBA: Calculus II		
13	11/15	Industry Speaker (Engineering) Industry Speaker (Science) Math Reviews Room TBA: Calculus I	<ul style="list-style-type: none"> Industry Speaker Survey 4 	Speaker Survey 3 due 11/15 at 11:59pm
	11/17	Industry Speaker (Engineering) Industry Speaker (Science) Math Reviews Room TBA: Calculus III		Team Project Peer Evaluations due 11/17 at 11:59pm
14	11/22	Dr. Bill Self, Undergraduate Research in STEM CB2, 207: Everyone		Speaker Survey 4 due 11/22 at 11:59pm
	11/24	Thanksgiving Break Begins – No Class		
15	11/29	<u>Mandatory Assignment Session:</u> Final Course Evaluations CB2, 207: Everyone		

Week	Date	Topic	Assignments	
			Assigned	Due
	12/4	No Class (Everyone)		A#2(Volunteer Assignment) and A#5(Knight Life) due 12/1 at 11:59pm
16	12/6	Finals Week: No classes No final exam for STEM Seminar		
	12/8	Finals Week: No classes No final exam for STEM Seminar		

This schedule is subject to revision by the instructor. Students are expected to check WebCourses at least twice a week for course information and updates.

Assignments:

Assignment 1 (A#1): Get to Know You

Assignment 2 (A#2): Volunteer Assignment

Assignment 3 (A#3): GAMES Survey

Assignment 4 (A#4): Time Management (2 parts)

Assignment 5 (A#5): Knights Life

Assignment 6 (A#6): Resume / Handshake registration (2 parts)

TAs present