

## Supervised Teaching ECH 6940

**Coordinator:** Prof. Kirk J. Ziegler  
Associate Chair for Graduate Studies  
ChESC 260  
[kziegler@che.ufl.edu](mailto:kziegler@che.ufl.edu)  
352-392-2592

**Academic Terms:** Fall and Spring Semesters  
**Instructor:** varies  
**Credit Hours:** 2 (repeatable to 5)  
**Class Periods:** varies  
**Location:** varies

### **Course Description**

Develop teaching skills and fundamental understanding of chemical engineering principles under the direct supervision of a faculty member

### **Course Pre-Requisites / Co-Requisites**

Permission is required from the Associate Chair for Graduate Studies in Chemical Engineering. Students must also demonstrate that they have successfully completed FERPA training before the first class of the semester.

### **Course Objectives**

Upon completion the student should be able to:

1. Master the fundamentals of the chemical engineering course assigned to the student.
2. Assist instructors in the development, preparation, and execution of instructional activities.
3. Explain course material effectively through multiple pedagogical tools.
4. Assess student learning.
5. Collaborate with instructor for continued improvement of course goals and objectives.

### **Materials and Supply Fees**

N/A

### **Attendance Policy**

The University recognizes the right of the individual professor to make attendance mandatory. Supervised Teachers who have extraordinary circumstances preventing attendance should explain these circumstances to the faculty instructor prior to the scheduled class. Instructors will make an effort to accommodate reasonable requests. After due warning, instructors may assign a failing grade for excessive absences.

### **Guidelines for Students**

- I. The primary objective of Supervised Teaching is to expose the participant to the practice of instruction at a college-level. Through their practice of instruction, supervised teaching students also affect the educational experience of students enrolled in the course. As such, it is expected that all Supervised Teaching Students (STS)s target a minimum of 1 contact hour with their students per week, on average. Contact hours include tasks such as delivering lectures, holding office hours and recitation sessions, supervising students in the laboratory, etc.
- II. Under the guidance of the faculty supervisor, supervised teaching students are generally expected to assist in the preparation and delivery of course material, the supporting of student learning, and in the evaluation of student performance. This may include, but is not limited to, preparing and grading homework assignments, preparing course content, experimental

setup/cleanup, contributing to the preparation and grading of exams, attending and/or delivering lectures, offering office hours and recitation sessions, supervising laboratories, and other reasonable responsibilities assigned by the course instructor. Expectations are listed in the plan below.

- III. Students are expected to devote no more than 3 hours per week, on average, to STS responsibilities for the full 15-weeks (or prorated if duration is shorter) for every credit hour they are enrolled in this course. It is expected that the amount of time devoted to supervised teaching responsibilities will vary throughout the semester. It is expected that the instructor and the STS will explicitly discuss time commitments and expected timing of peak hours at the beginning of the course. If hours greatly exceed these defined expectations, the student should discuss this with the course instructor. If their concerns are not resolved after discussing with the course instructor, the student should contact the department chair.
- IV. Students are expected to coordinate responsibilities, timing, and expectations with the instructor of the course at least two weeks prior to the start of the term.
- V. Students are required to complete PRV802 FERPA Basics before they can be enrolled in this course. This online course can be accessed by logging in to myUFL > myTraining and searching "PRV802." Students are required to provide proof of completing this course to the department advisor so they can be enrolled in EGN 6940.
- VI. Students are required to participate in the Department of Chemical Engineering Workshop on Supervised Teaching that will be scheduled prior to the start of the fall semester.
- VII. If a student has an issue with a student or fellow STS in their course, they should immediately contact the course instructor. The course instructor is ultimately responsible for all issues related to student and STS conduct in their assigned courses.
- VIII. Any unresolved issues regarding the STS assignment should be brought to the attention of the department chair.

### **Guidelines for Faculty**

- I. Faculty are to serve as mentors for the teaching activities listed on the supervised teaching plan. Expectations for mentoring are to model the activities, supervise and assess, and give feedback to the student.
- II. Faculty should coordinate an introductory meeting with their supervised teaching students approximately two weeks before the beginning of the term. At this meeting, faculty should outline the following:
  - a. Course-specific expectations and assignments of the supervised teaching student
  - b. General outline for expected time commitments with identification of peak hours, if possible
  - c. Faculty contact information
  - d. A complete syllabus for the course and/or lab protocols (if applicable)
  - e. Create student login information for any necessary web portals (e.g. Canvas)
- III. In assigning responsibilities to STSs, faculty should observe the above guidelines regarding expectations of student time commitment to the course. Specifically, the STS's assignments must be manageable at approximately 3 hours per week per credit of this course. Faculty must respect the recommended effort expectations of ~3 hr/week per credit averaged over the semester (see "Credit Allocation" above). If an instructor feels that more credit is required to provide increased contact hours, they should speak with the department chair.

- IV. While STSs are expected to contribute to these activities, the preparation and delivery of course materials and the evaluation of student performance is ultimately the responsibility of the instructor assigned to the course. Instructors should remain engaged in all aspects of the course, even those aspects supervised by STSs. For lecture courses, it is expected that the majority of the lectures will be delivered by the course instructor. For laboratory courses, it is expected that the instructor will deliver associated lectures, participate regularly in the lab course, provide appropriate supervisory training to the STS for each experiment conducted in the lab, and be responsible for the overall supervision of the STSs performance.

### ***Credit Assignment***

Supervised Teachers should enroll for 2 credit hours for their assignment.

### ***Class Requirements and Expectations***

Supervised Teacher involvement in the classroom may include contact time during classes or labs, lecture preparation time, laboratory preparation time, office hours, preparation of homework solutions, grading, *etc.* The instructor will define any additional expectations and present them when the student registers for the course.

### ***Evaluation of Grades and Grading Policy***

Grades will be assigned to the Supervised Teacher based on the following criteria:

- (i) Teaching proficiency: The Supervised Teacher is expected to demonstrate adequate preparation in the delivery of instructional materials, including a proficient understanding of the material and an ability to deliver content clearly and concisely.
- (ii) Grading proficiency: The Supervised Teacher is expected to grade assignments and exams in a timely manner. Unless otherwise specified by the instructor, graded assignments should be returned within a week. The Supervised Teacher is also expected to grade assignments consistently and fairly.
- (iii) Professionalism and attendance: The Supervised Teacher is expected to follow the attendance policy of the instructor. It is assumed that the Supervised Teacher will be a role model to students and demonstrate professional and ethical behavior, including punctual attendance.
- (iv) Production of instructional materials: The Supervised Teacher is expected to develop course materials, which may include individual lectures, homework assignments and solutions, quizzes and solutions, exams and solutions, or class handouts, as determined by the instructor.

Individual instructors will define the specific weights assigned to each individual criteria. The instructor will assign a Satisfactory (S) or Unsatisfactory (U) grade to the student based on these criteria.

More information on UF grading policy may be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

### ***In-Class Recording***

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

### ***Students Requiring Accommodations***

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### ***Course Evaluation***

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu/evals>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

### ***University Honesty Policy***

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

***On my honor, I have neither given nor received unauthorized aid in doing this assignment.***

The Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

A non-passing grade will be assigned to students who violate academic honesty standards, regardless of the violator’s performance on exams, quizzes, and homework assignments. Official sanctions issued by the Office of Student Judicial Affairs will become permanently noted in the student’s official transcript.

### ***Commitment to a Safe and Inclusive Learning Environment***

The Herbert Wertheim College of Engineering values broad diversity within our community and is committed to individual and group empowerment, inclusion, and the elimination of discrimination. It is expected that every person in this class will treat one another with dignity and respect regardless of gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture.

If you feel like your performance in class is being impacted by discrimination or harassment of any kind, please contact your instructor or any of the following:

- Your academic advisor or Graduate Program Coordinator
- Jennifer Nappo, Director of Human Resources, 352-392-0904, [jpennacc@ufl.edu](mailto:jpennacc@ufl.edu)
- Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, [taylor@eng.ufl.edu](mailto:taylor@eng.ufl.edu)
- Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, [nishida@eng.ufl.edu](mailto:nishida@eng.ufl.edu)

### ***Software Use***

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

### ***Student Privacy***

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see:

<http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html>

### ***Campus Resources:***

#### *Health and Wellness*

- The University expects you to wear approved face coverings at all times during class and within buildings even if you are vaccinated.
- If you are sick, stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms began. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email [covid@shcc.ufl.edu](mailto:covid@shcc.ufl.edu)) to be evaluated for testing and to receive further instructions about returning to campus.
- If you are withheld from campus by the Department of Health through Screen, Test & Protect, you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.
- UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the [UF Health Screen, Test & Protect website](#) for more information.
- Please continue to follow healthy habits, including best practices like frequent hand washing. Following these practices is our responsibility as Gators.

**U Matter, We Care:** Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

**Counseling and Wellness Center:** <https://counseling.ufl.edu>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

**Sexual Discrimination, Harassment, Assault, or Violence**

If you or a friend has been subjected to sexual discrimination, sexual harassment, sexual assault, or violence contact the **Office of Title IX Compliance**, located at Yon Hall Room 427, 1908 Stadium Road, (352) 273-1094, [title-ix@ufl.edu](mailto:title-ix@ufl.edu)

**Sexual Assault Recovery Services (SARS)**

Student Health Care Center, 392-1161.

**University Police Department** at 392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>.

Academic Resources

**E-learning technical support**, 352-392-4357 (select option 2) or e-mail to [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu). <https://lss.at.ufl.edu/help.shtml>.

**Career Resource Center**, Reitz Union, 392-1601. Career assistance and counseling; <https://career.ufl.edu>.

**Library Support**, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

**Teaching Center**, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <https://teachingcenter.ufl.edu/>.

**Writing Studio, 302 Tigert Hall**, 846-1138. Help brainstorming, formatting, and writing papers. <https://writing.ufl.edu/writing-studio/>.

**Student Complaints Campus:** <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>; <https://care.dso.ufl.edu>.

**On-Line Students Complaints:** <http://www.distance.ufl.edu/student-complaint-process>.

### Supervised Teaching Plan

*This plan must be fully filled out and signed before a student can register*

**Your name:** \_\_\_\_\_ Hayden Good \_\_\_\_\_  
**Course name/number:** \_\_\_\_\_ ECH4403 - Separations \_\_\_\_\_  
**Class:** \_\_\_\_\_  Undergrad \_\_\_\_\_  Grad \_\_\_\_\_  
**Semester taught:** \_\_\_\_\_  Fall \_\_\_\_\_  Spring \_\_\_\_\_  Summer \_\_\_\_\_ Year 2022 \_\_\_\_\_  
**Typical class enrollment:** \_\_\_\_\_ 75 \_\_\_\_\_  
**Required course:** \_\_\_\_\_  YES \_\_\_\_\_  NO \_\_\_\_\_  
**Instructor:** \_\_\_\_\_ VJ Tocco \_\_\_\_\_

**Course Summary:**

Description of activity	Hours per week	Hours per semester
Prepare laboratory manuals		
Update lecture notes		
Manage team formation		
Hold office hours	1	15
Prepare HW and quizzes	2	30
Develop online learning module		
Lecture	0.5	7.5
Assistance with design testing/analysis		
Grade assignments		
Assess learning objectives	2	30
Draft final report on teaching goals		
Supervise lab experiments		
Weekly meeting	0.5	7.5
<b>TOTAL</b>	6	90

I have discussed the expectations with the instructor and I agree with the above assignment.

**Signature of student** \_\_\_\_\_ Hayden Good 1/3/2022

**To be filled out by the faculty supervisor:**

I agree with the above assignment and I will (check boxes to confirm):

- Meet with the student 2 weeks before the semester to set expectations
- Mentor the student by modeling and demonstration of the assignments
- Provide the student assessment and guidance through regular meetings

**Signature of faculty instructor** \_\_\_\_\_

