

Georgia Institute of Technology
Wallace H. Coulter Department of Biomedical Engineering

BMED 48X3

Special Problems

Summer 2020

COURSE TITLE: Engineering IRL — Exploring your story, your options and the industry

Dates: May 16-July 25

Description: Welcome to Ireland! In this class, we will get connected and develop professional relationships with prospective employers, collect artifacts, learn to tell your story, understand the opportunities in the industry, and gain career confidence. We will also learn about why we are in Ireland, visit industry partners, and reflect on the meaningful experiences you will have during your study abroad program.

Instructors: This course will be taught by Janece Shaffer (an award-winning Atlanta playwright), Dr. Joe LeDoux, who will ask you to share, to risk, and to wonder, and Brenda Morris, who will ask you to grow and explore as BME professionals.

Office Hours: Brenda will be in Galway for first five weeks of term and will hold regular office hours- Office Hours Times will be announced first week.

Janece and Dr. LeDoux will be in Galway during weeks 6-7.

Contact info: Janeceshaffer@me.com joe.ledoux@bme.gatech.edu
brenda.morris@bme.gatech.edu

Prerequisites: Acceptance in the BME Study Abroad Galway Program

Grading: Weekly assignments 56 points
8 assignment x 7 points

Attendance 14 points

Feedback 10 points

Portfolio
(stories, artifacts, and
professional growth) 20 points

Total 100

A: 90-100; B: 80-89; C: 70-79; D: 60-69; Less than 60: F

Class Meetings:

All students will attend class, first five weeks of semester Tuesday/Thursday 10-11:30

During weeks 6-7, students will meet in smaller groups with Dr. Ledoux and Janece

Students will submit weekly assignments via canvas and comment on other's work

Group Share: We would like you to share all of your work, except for free writing, with the rest of the class. We also expect you to read and comment on (in appreciative way!) at least 3 other students' work each week. You will do this via Canvas' "Discussions" feature: Each writing assignment will be a discussion that you will post your story to, and then you can go and reply to other people's postings to give them your feedback. If it turns out that one or more of your stories you'd rather share only with the instructors, that's fine too. Ideally, most of your stories will be shared with others since sharing is a great way to improve your story writing skills.

Professional Communication Assignment: Resume and Pitch will be submitted via canvas and only reviewed by your instructors.

Portfolio: There will be no final exam for this course. Instead, you will create a portfolio composed of :

- a. The stories you captured and wrote for this course
- b. Artifacts related to your stories
- c. Artifacts related to industry visits
- d. Final story that incorporates your two industry visits-your "AHA Future Perfect"

You may create your portfolio on Google.

Final portfolio due by Wednesday, July 22

Industry: As part of this program, you will be attending two industry site visits. Participation in these two visits is critical to your participation and portfolio grade.

It is crucial to engage and participate on these trips and with the guest speakers that visit class. As a professional courtesy to our industry partners, rosters of attendees are sent prior to the start of the semester. Site visits may not be made up or rescheduled.

For industry visits, professional, clean room attire, and demeanor are required. You will not be permitted to board bus if not dressed appropriately for your industry visit. All visits require closed toe shoes, professional attire, no frayed jeans or threads, and, some even require no jewelry or make up (sample guidelines regarding attire are from Abbott-below, similar for all industry visits)

- Street clothes and footwear must be clean and fluff-free. Woolly or fuzzy clothing and footwear is discouraged.
- Do not wear clothing with protruding collars that extend excessively outside the gown.
- Bare legs, shoulders or exposed midriffs are not allowed in the gowning rooms or CR/CNC. Wear socks or nylons at all times.
- Tank tops and sleeveless shirts are not allowed. Sleeves must cover the armpit area.
- Open-toed, open heeled or stiletto-heeled shoes are not permitted.
- Approved hair covers, beard covers (if applicable), facemasks, appropriate garment, and shoe covers shall be worn over street clothes. This approved clothing shall be removed upon exiting the CR/CNC.
- Jewelry must be covered or removed including body/facial piercings. If gloves are not required, rings can be covered with finger cots.
- Watches and bracelets shall be covered or removed.
- Trailing or frayed trousers are not allowed in the CR/CNC. (People wearing frayed or trailing trousers will be asked to wear chemical booties for the duration of the shift)

For guest speakers: treat these as site visits, you are connecting with industry!
Ask informed questions and maintain polite and courteous environment.

Note: All writing assignments begin on Tuesday, must complete by 5pm Friday of same week, and students must comment on the work of three other students by the following Friday, 5pm.

Week 1:

In class:

Intro/overview of course- What's unique? Why Ireland?

Lecture-Intro to Engineering reflection

Guest Speakers

Peer Interviews

Assignment 1:

Discover Galway

Part one: First Impression/Setting Intention Reflection:

For one week, write two sentences every day about your most memorable experience of that day.

Short and sweet but it will keep you reflecting on and looking for what is impactful in each day.

Remember to be specific.

Select one artifact related to your First Impression

Part two: In class- Interview one of your fellow students and tell us something you admire about them along with something unexpected you've discovered during your interview. We'd also love a quick photo of the two of you together. Each student may only be interviewed once and don't interview your roommate or someone you knew before this summer. Find a partner in class (perhaps someone right behind you) and you will interview each other.

Week 2:

In Class:

Lecture-What can I do with my BME degree: rolls/titles and graduate school, military, med school, etc.

Work Values Exploration and Job Give Away

Industry Guest Speakers

Assignment 2:

Humans of Galway

Create your own "Humans of Galway" like "Humans of New York," this is your chance to go out and meet a citizen of your new city. Take their photo and tell us in 100 words or less an interesting take on this person. Tell us a story about them- their greatest triumph, what they wanted to be when they were young, what they love about their work or their hobby or their family. Talk until you find something that makes them unique and memorable. (If you are nervous, work in pairs!)

Select one artifact related to your "Humans of Galway"

Week 3:

In Class:

Lecture-Professional Communications: resume and pitch
Industry Guest Speakers

Assignments:

Assignment 3, Resume and Pitch: Submit a resume and pitch. Both must be based on, and respond to, the work values exploration. Due, Tuesday, June 9, by 11:59pm

Assignment 4, Adventure: Develop a 2.5 minute story about an adventure you've had since arriving in Galway. Adventures can happen grand or simple. This is about identifying moments or experiences that changed you or that inspired an "aha". Remember to open with a specific moment (land the plane!) and then when you get to your "aha" or high point, again share a specific scene. Select one artifact related to your "Adventure"

Week 4:

In Class:

Lecture-Networking and Telling Your Story in Interviews
Mock Interviews
Industry Guest Speakers

Assignment 5:

Differences: Go on a walking tour of the city and look for ways Galway is different from Atlanta and the more engineering-based these discoveries are, the better! You must find at least five differences. Take a photo and write up a short description of these differences. (maybe it is something you've never seen before!) This is also a great time to listen to the accents and conversations around you. Select one artifact related to "Differences"

Week 5:

In Class:

Lecture-Portfolio Deep Dive/samples (organizing artifacts/activity)
wrap up and what's next
Industry guest Speakers

Assignment 6:

Peak Experience: Develop a 2.5 minute story about a Peak Experience you've had in Galway. When did you feel most excited, powerful, content, proud, connected, or understood? Craft a story where the

listener feels what you felt, help us connect to your experience through the story you tell.
Select one artifact related to “Peak Experience”

Week 6:

Workshop with Dr. Ledoux and Janece Shaffer

Work with instructors to develop a story about your most challenging moment in the program, in the city, far from home thus far. Reflect on what you learned from the experience?

Assignment 7: Post the story you developed in class on Canvas

Also write for 10 minutes without stopping every day this week. Don't over think it. Just...go!

Some days we are proposing a specific topic and on other days you are free to follow your own instincts.

Day 1 Free Write

Day 2 Curiosity

Day 3 Home

Day 4 Free Write

Day 5 Making Connections

Day 6 Free Write

Day 7 Creating Value – How will you make a difference?

Week 7:

Workshop with Dr. Ledoux and Janece Shaffer

Meet with the instructors to develop a story about a time you pursued an opportunity either in or outside the classroom. Did you start a club or join a team? Did you hear about an internship and pursue it? Did you have an idea that you turned into a reality? When did you show initiative and follow your curiosity?

Assignment 8: Post the story you developed in class on Canvas

Craft a story about a vision of you five years into the future...Let's pretend you are coming back to Galway in the summer of 2024. Who are you? What do you do for work? What do you love about your work? Where do you live? Where is the first place you want to go in Galway? Are you alone or with loved ones? Be specific and there are no wrong answers here. How has the experience of this summer prepared you to return the person you envision in your story?

Week 8:

Work on Portfolios

Due Date: Thursday, July 22