

ENGR####/Moving the Cities/2022 Brazil

Course Description

This one credit course aims to develop students' entrepreneurial and innovation skills while immersed in a collaborative multicultural experience. Students in cross cultural teams will practice design thinking methods to formulate innovative solutions to urban challenges in a regional context. Student learning will be integrated into remote pre-travel onboarding and preparation, a mentor and coach guided challenge, the group challenge experience in cross cultural teams and cultural explorations in and around the host city.

Instructor

Brandon Barber
Design, Innovation, and Outreach Coordinator
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Academic Credit

This 1 credit ENGR elective;

- Satisfies Option A of the Industrial Engineering international requirement (approved international experience)
- Counts toward Area 1 (Entrepreneurship) of the SSOE Innovation, Product Design, and Entrepreneurship Certificate

Textbook

There is no required textbook and any supplementary materials will be provided

Course Structure

This course will be administered in a hybrid format. Students are required to attend and participate in the following components:

- October 17-20 will be virtual asynchronous onboarding, instruction, and assignment to cross-national teams
- October 23-28 will take place in Brazil. Students will be working with teams, coaches, and mentors to develop a final pitch (to be presented on 10/28).

Learning Objectives

Upon completion of this course students should be able to:

- Understand and apply Design Thinking and Lean Startup methodologies

- Analyze, formulate, and propose solutions to complex urban challenges
- Collaborate with a multicultural and multidisciplinary team
- Communicate effectively with a range of audiences
- Effectively pitch an innovative solution

Grading

Student performance will be evaluated based on three components: Participation and Engagement, Final Pitch Presentation, and Project Documentation Portfolio Page.

- Participation and Engagement (50%)
 - Attendance at each session (virtual and in-person) is required, as is active participation in exercises, discussions, and other course related activities.
- Final Pitch Presentation (25%)
 - Students are expected to take an active role in the research, ideation, development, and delivery of the final pitch.
- Project Documentation Portfolio Page (25%)
 - Each student is expected to create thoughtful, well-organized portfolio page outlining the processes and outcomes of the Moving the Cities competition.
 - The portfolio page should professionally communicate the team challenge, the processes of developing your concept, and final concept as it was pitched.
 - This portfolio page should be part of a digital student portfolio (web based).

Grading Scale

A+	98-100	C+	78-80
A	94-97	C	74-77
A-	90-93	C-	70-73
B+	87-89	D	66-69
B	84-86	F	0-65
B-	81-83		

Course Policies

Academic Integrity

Students in this course will be expected to comply with the [University of Pittsburgh's Policy on Academic Integrity](#). Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators.

To learn more about Academic Integrity, visit the [Academic Integrity Guide](#) for an overview of the topic. For hands- on practice, complete the [Understanding and Avoiding Plagiarism tutorial](#).

Disability Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and [Disability Resources and Services](#) (DRS), 140 William Pitt Union, (412) 648-7890, drsrecep@pitt.edu, (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

Statement on Classroom Recording

To address the issue of students recording a lecture or class session, the University's Senate Educational Policy Committee issued the recommended statement on May 4, 2010. While it is optional, the Committee recommends that faculty consider adding the statement to all course syllabi.

"To ensure the free and open discussion of ideas, students may not record classroom lectures, discussion and/or activities without the advance written permission of the instructor, and any such recording properly approved in advance can be used solely for the student's own private use."

Student Opinion of Teaching Surveys

Students in this class will be asked to complete a *Student Opinion of Teaching Survey*. Surveys will be sent via Pitt email and appear on your Canvas landing page during the last three weeks of class meeting days. Your responses are anonymous. Please take time to thoughtfully respond, your feedback is important to me. [Read more](#)[Links to an external site.](#) about *Student Opinion of Teaching Surveys*.

Religious observance

The observance of religious holidays (activities observed by a religious group of which a student is a member) and cultural practices are an important reflection of diversity. As your instructor, I am committed to providing equivalent educational opportunities to students of all belief systems. At the beginning of the semester, you should review the course requirements to identify foreseeable conflicts with assignments, exams, or other required attendance. If at all possible, please contact me within the first two weeks of the semester to allow time for us to discuss and make fair and reasonable adjustments to the schedule and/or tasks.

Diversity and Inclusion

The University of Pittsburgh does not tolerate any form of discrimination, harassment, or retaliation based on disability, race, color, religion, national origin, ancestry, genetic information, marital status, familial status, sex, age, sexual orientation, veteran status or gender identity or other factors as stated in the University's Title IX policy. The University is committed to taking prompt action to end a hostile environment that interferes with the University's mission. For more information about policies, procedures, and practices: <https://www.diversity.pitt.edu/civil-rights-title-ix/policies-procedures-and-practices>[Links to an external site.](#) I ask that everyone in the class strive to help ensure that other members of this class can learn in a supportive and respectful environment. If there are instances of the

aforementioned issues, please contact the Title IX Coordinator, by calling 412-648-7860, or emailing titleixcoordinator@pitt.edu.

Reports can also be filed online: <https://www.diversity.pitt.edu/civil-rights-title-ix/make-report> [Links to an external site.](#)

You may also choose to report this to a faculty/staff member; they are required to communicate this to the University's Office of Diversity and Inclusion. If you wish to maintain complete confidentiality, you may also contact the University Counseling Center (412-648-7930).

COVID-19 Statement

In the midst of this pandemic, it is extremely important that you abide by public health regulations and University of Pittsburgh health standards and guidelines. While in class, at a minimum this means that you must wear a face covering and comply with physical distancing requirements; other requirements may be added by the University during the semester. These rules have been developed to protect the health and safety of all community members. Failure to comply with these requirements will result in you not being permitted to attend class in person and could result in a Student Conduct violation. For the most up-to-date information and guidance, please visit coronavirus.pitt.edu [Links to an external site.](#) and check your Pitt email for updates before each class.

Communication to Instructor Pertaining to Illness

As in any situation regarding class absence (remote or in person), a student who becomes ill (albeit COVID-19 related or not) is responsible for communicating with me regarding course absences. Please contact me and provide documentation when absences affect quizzes/exams. This should be done via email as soon as possible.