

In-Class Problem-Based Learning with Industry Partners

October 17, 2018
11:00am – 12:00pm

Waterloo **ExL** Symposium

Presenter 1:

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Part 1: Bringing participatory decision making into the classroom [multiple stakeholders]

Presented by:

Sean Geobey, Assistant Professor, School of Environment, Enterprise and Development (SEED)

Faculty of Environment, University of Waterloo

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Overview

- Course Overview
- Integrating Community
- Outcomes

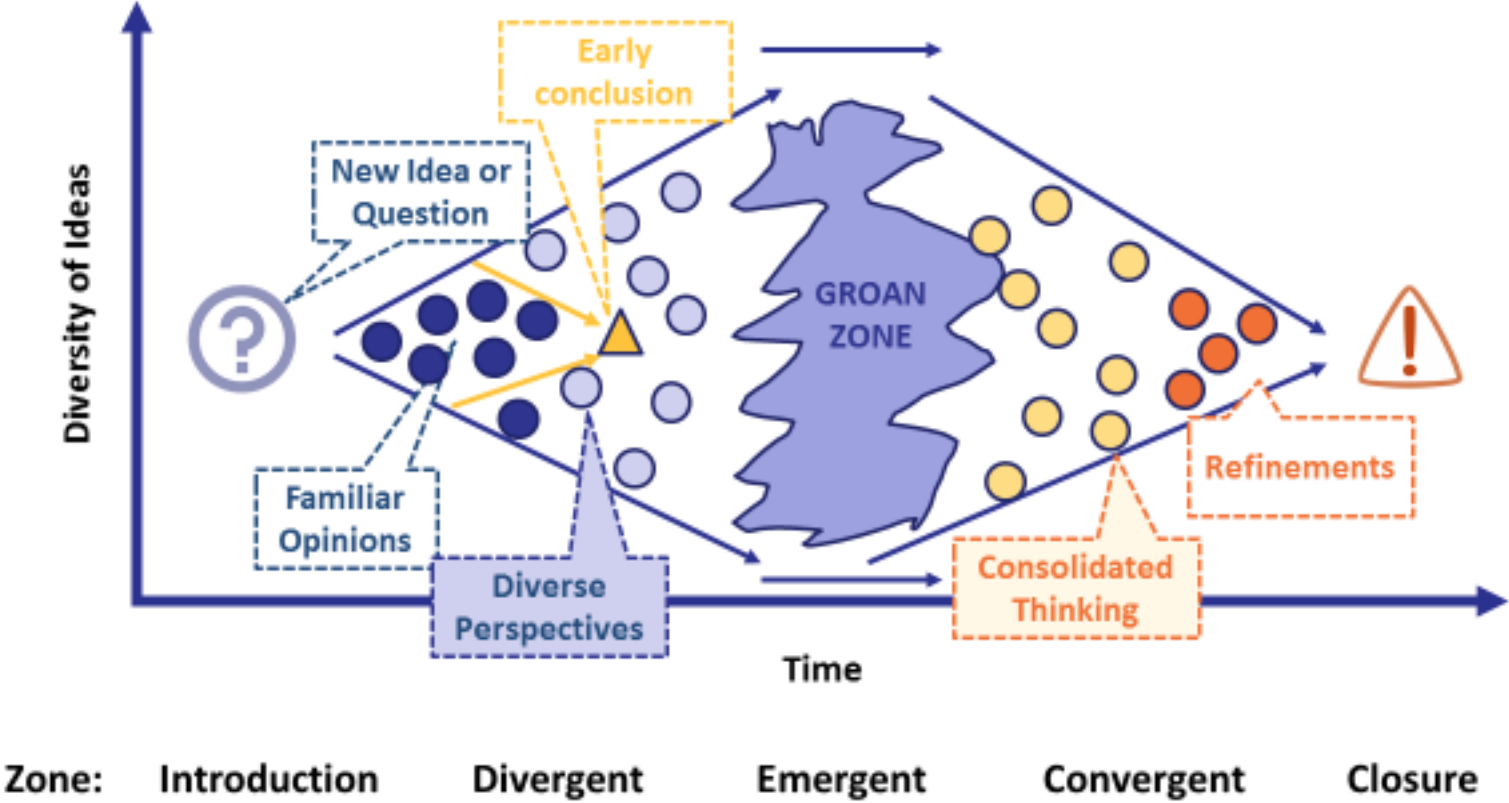
Course Overview

- INDEV308
- Introduction to Social Entrepreneurship
- 35-70 undergraduate students
 - ~2/3 International Development
 - 2 terms before 8-month international placement
 - ~1/3 Environment and Business
- 3 hours * 12 weeks

Pedagogical Philosophy (1st slide, 1st class)

- Philosophically
 - Experiential
 - Constructivist
 - Peer-Based
- Practical application
 - Problem-based learning
 - Colleague-to-colleague feedback
 - Public by default

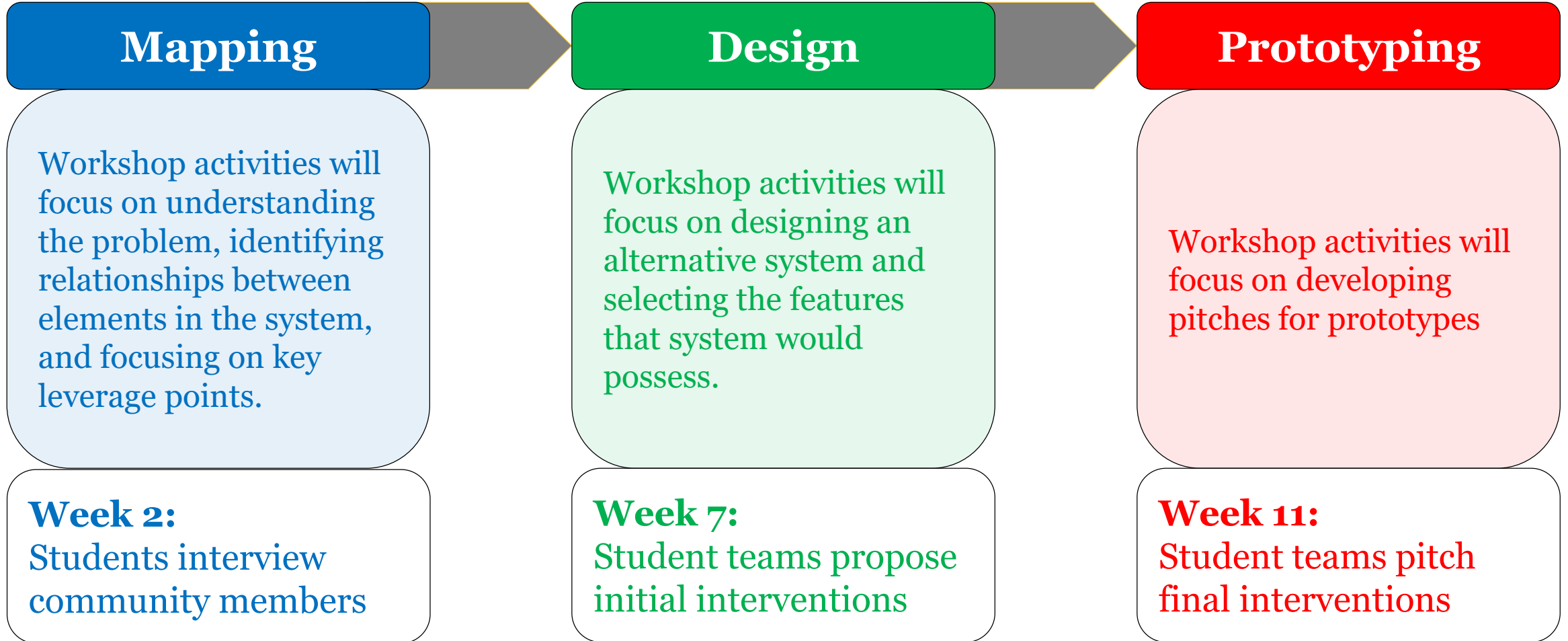
Diamond of Participatory Decision-Making



Social Innovation Lab model



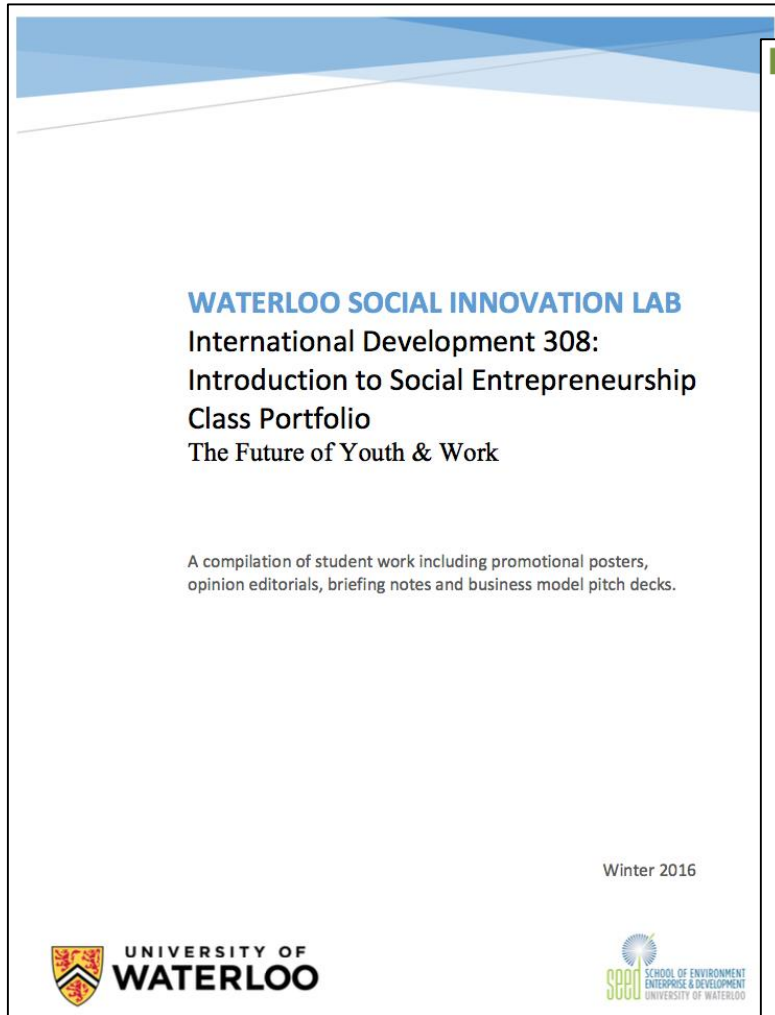
Bringing in Community



Community Members

- Domain-Specific Industry Partners
 - Steckle Farms, Unifor, Miovision,
- Domain-Specific Researchers
 - ENV, AHS, ENG
- Repeat Partners
 - Kindred Credit Union, Sustainable Waterloo Region, St. Paul's GreenHouse, Region of Waterloo

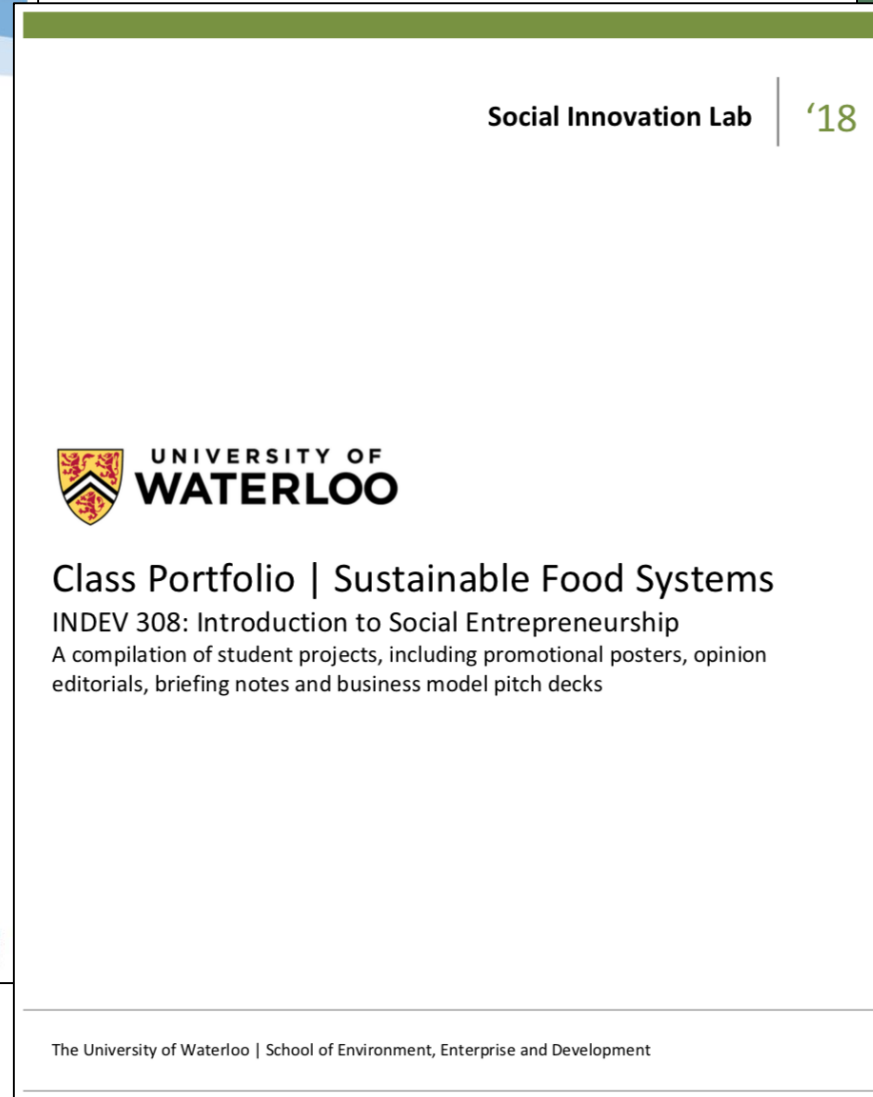


Class Portfolios




WATERLOO SOCIAL INNOVATION LAB
International Development 308:
Introduction to Social Entrepreneurship
Class Portfolio
The Future of Youth & Work

A compilation of student work including promotional posters, opinion editorials, briefing notes and business model pitch decks.

Winter 2016



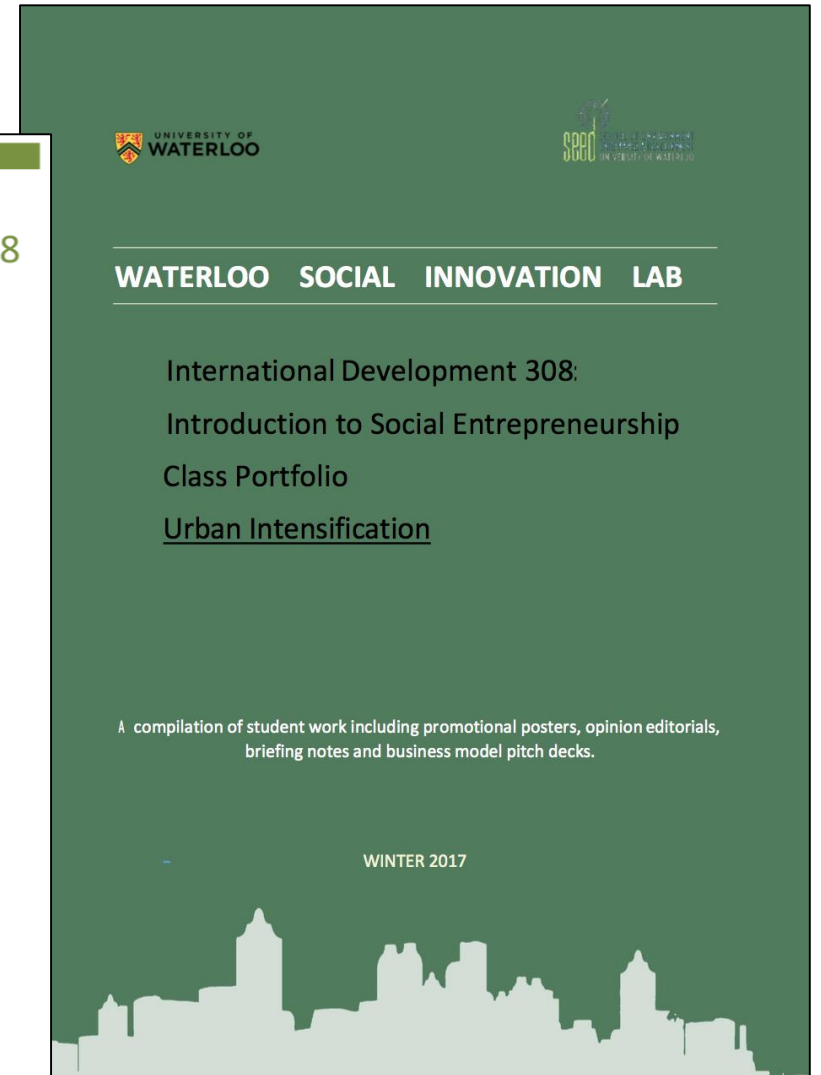


Social Innovation Lab | '18



Class Portfolio | Sustainable Food Systems
INDEV 308: Introduction to Social Entrepreneurship
A compilation of student projects, including promotional posters, opinion editorials, briefing notes and business model pitch decks

The University of Waterloo | School of Environment, Enterprise and Development




WATERLOO SOCIAL INNOVATION LAB

International Development 308:
Introduction to Social Entrepreneurship
Class Portfolio
Urban Intensification

A compilation of student work including promotional posters, opinion editorials, briefing notes and business model pitch decks.

WINTER 2017



Waterloo ExL

Outcomes

- Students have used assignment formats in placements
- Student interventions form basis of theses/directed studies
- Students have pitched interventions through Velocity
- Students have pivoted from interventions to others in the domain space
- Community members have hired students (and a TA)
- Community members have piloted interventions

Part 2: Bringing a specific organizational challenge into the classroom (single stakeholder)

Presented by:

Jennifer Lynes, Associate Professor, School of Environment, Enterprise and Development (SEED)

Faculty of Environment, University of Waterloo

Waterloo ExL

ENBUS 211: Marketing Principles for Sustainability Professionals

- Second-year course
- Theme elective for Env & Business students
- Open to all students
- Limited to 50 students
- Class time: 2 x 1.5 hours per week, limited 'lectures'

Assessment items

Greenwashing awards

Group

Video and written
2 pager

25%

Participation & e-portfolio

Individual

Written reflection
and blog

25%

Marketing Strategy

Pairs

Weekly worksheets
(6 weeks)

Report of
recommendations

25%

Anything Assignment

Individual

Choice of topic
covered in course

Choice of medium

25%

Industry Partner:



Sustainable Thinking

Living sustainably made easier



Toilet Paper

Cascades 24 rolls

Double rolls made from 100% post consumer recycled paper

[Learn More](#)

[Buy](#)

Regular Price: \$19.20

Care Package: \$17.76
Service fee required (\$0.74 per roll)



Foaming Hand Soap

method 300 ml

Sweet Water scent, naturally derived, mechanically foaming hand soap.

[Learn More](#)

[Buy](#)

Regular Price: \$5.20

Care Package: \$4.15
Service fee required



Bloom Warm Light Bulb

Nanoleaf 1 bulb

LED, E26, 75W equiv.using just 10W, upto 1200 lumens, warm white 3000K and self dimming!
Designed...

[Learn More](#)

[Buy](#)

Regular Price: \$38.00

Care Package: \$32.50
Service fee required

Example of Weekly Worksheet

Avocado Worksheet 4- Green Marketing Strategies

This week, describe the brand of the product(s) or service(s) the organization offers consumers by answering the following questions. You will want to refer to Martin & Schouten's Five principles of sustainable branding. Refer to notes on Martin & Schouten's Five Principles of Sustainable Branding (separate attachment). They can also be found in Jenn's Marketing Notes (along with other information on branding)

Question/Task	What we know (the facts)	Insight/Analysis
What is the story Avocado is trying to tell and what tools does it use to achieve this?	<p>Avocado is working towards bringing sustainability home. They want sustainability to be more attainable and a goal for households. The story they are trying to tell is the story of community and how important customer loyalty is to the success of the brand.</p> <p>To achieve their story, Avocado uses eco-friendly, member-tested products that will satisfy their customers, highlighting how enjoyable sustainable products can be. Memberships are used as well that allow customers to have voting power and a share in the company demonstrating Avocado's commitment to their customer community/loyalty.</p>	<p>Sustainable development is an industry that is rapidly growing and Avocado is making the most of this trend. They know that many consumers have a growing awareness and appreciation of sustainability and Avocado is trying to focus in on this awareness and build it into their company's story.</p>



Final step of each worksheet:
"Synthesize the information
presented in 3-5 bullet points"



Example of final report

Avocado Co-op
Marketing Strategy

Considerations

Selecting industry partner based on relevance to the course content and assessment item(s)

Developing clear expectations with industry partner (i.e. what is their role? How should students communicate with them?)

Determining how much of the 'problem' or 'focus' is defined for the students prior to starting the project

Deciding to what extent industry partner is presented with ideas/recommendations that are developed by the students

Other ways I have integrated industry issues into the classroom

Blended course:

Pre-taped interview with industry partner paired with case study

Online course:

Students watch a series of video clips then participate in an online discussion with an industry partner

Online course:

Each student selects an organization and writes a weekly discussion post about the org. in the context of the weekly theme of the course material/readings.

Capstone course:

Students work in teams with a 'real' client on a specific problem the client has identified

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