Unfinished by Design

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There are **five** areas that prompt updates to an online course.

1. Accessibility standards
2. Learning analytics
3. Authentic content
4. Real world practices
5. Technology
Unfinished by Design Methodology.

1. Use simple graphics and animations
2. Keep video presentations short
3. Minimize the instructor on screen
4. Build accessibility into the resource design.
5. Design to capture analytics with purpose.
6. Identify content that will or should change.
7. Limit the use of third party tools
• Use simple graphics
• Keep videos short
• Minimize instructor onscreen
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• Minimize instructor onscreen
Develop a system for identifying content that will or should change.
Design to capture analytics with purpose.
“...sketch an open-ended aesthetic for digital media, an aesthetic that accepts the limitations, and perhaps naïveté, of inherited concepts of “finishing” a work.”

-Lunenfeld (1999, p.3)
Challenge
Building evergreen courses

Our Approach
Iterative Design

Strategies
for adaptive, current, responsive, and data-driven online content
The challenge / the problem.
Risk of becoming outdated.
Build accessibility into the resource and media design.
Context and Challenge.
Iterative Design.
Learning Analytics.
Accessibility standards.
Learning analytics
Authentic content
Real world practices
Technology
Results

(1) adaptive media and accessibility standards (2) responsive learning analytics (3) authentic content (4) real world practices, and (5) technological change.
Develop a system for identifying content that will or should change.
## CONTENT MAP: VISUALIZING DATA

<table>
<thead>
<tr>
<th>LESSON</th>
<th>LESSON 1: INTRODUCTION</th>
<th>LESSON 2: GRAPHICS + DATA</th>
<th>LESSON 3: DESIGN + AUDIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INTRO TO THE COURSE</td>
<td>CHART TYPES</td>
<td>DESIGN PRINCIPLES</td>
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<tr>
<td>2</td>
<td>CHAPT. 1 + 2</td>
<td>CHAPT. 3 + 4</td>
<td>CHAPTER 5 + 6</td>
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### ASSETS
- VIDEO
- READINGS
- ACTIVITIES
- UPDATE SCHEDULE
  - FA19
  - SP20
  - FA21

### LAUNCH DATE
- SP18

### COURSE TITLE
- VISUALIZING DATA CERTIFICATE

### FACULTY
- KRISTEN SOSULSKI

### COURSE LEAD
- AMANDA JUSTICE
Use simple graphics and animations for the first version of video content.
Selectively use third party tools.
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Keep video presentations and demonstrations short.
Minimize the videos with the instructor on screen.
Selectively use third party tools.
Pre-course survey

Which option best describes your prior experience with computer programming?

Select all that apply

- New to coding
- Have taken 1-3 coding classes, but consider myself a novice
- Intermediate coder. I know enough to be dangerous.
- Advanced intermediate coder. I am very proficient at coding.
- Advanced coder. I am a coder by trade / profession
- Other...
Collective skill level of the class

New: 18
Novice: 27
Intermediate: 3
Advanced: 4
Institutions with budget and resource constraints can take advantage of these strategies to produce flexible online courses.