

## THE COURSE

- HIST 1332 *Science and Technology in American Society II*
- Majority of students are Engineering majors
- Key learning outcomes: ethics/civics of technology and science in historical context and the interrelationship between society and scientists, engineers, and technocrats
- Acquiring *marketable skills* is also a key outcome

## THE OER “PROBLEM”

- History policy - \$0 materials cost in core courses
- No existing choice for STS OER textbook
- Take OER used in traditional history survey and modify
- But students “*don’t read*” anyway....
- Why not engage the students with *creating* content

## The H5P Solution

- Student Teams suggested producing videos, textual analysis, images, and even one video game for learning!
- H5P Interactive Books solves many issues of accessibility and stability and will provide a uniform appearance
- Students can choose from all content types available for best presenting their materials
- I have full editorial control since teams will turn in the raw materials and I will build each book and embed in the Pressbooks OER

## THE “R&D PROJECT”

- Based upon project management organization commonly utilized in the Aerospace
- Students assigned to a semester long team project including more in-depth undergraduate research
- Teams must create original interactive content
- Support from Experiential Learning librarians as needed

## PROJECT PHASES

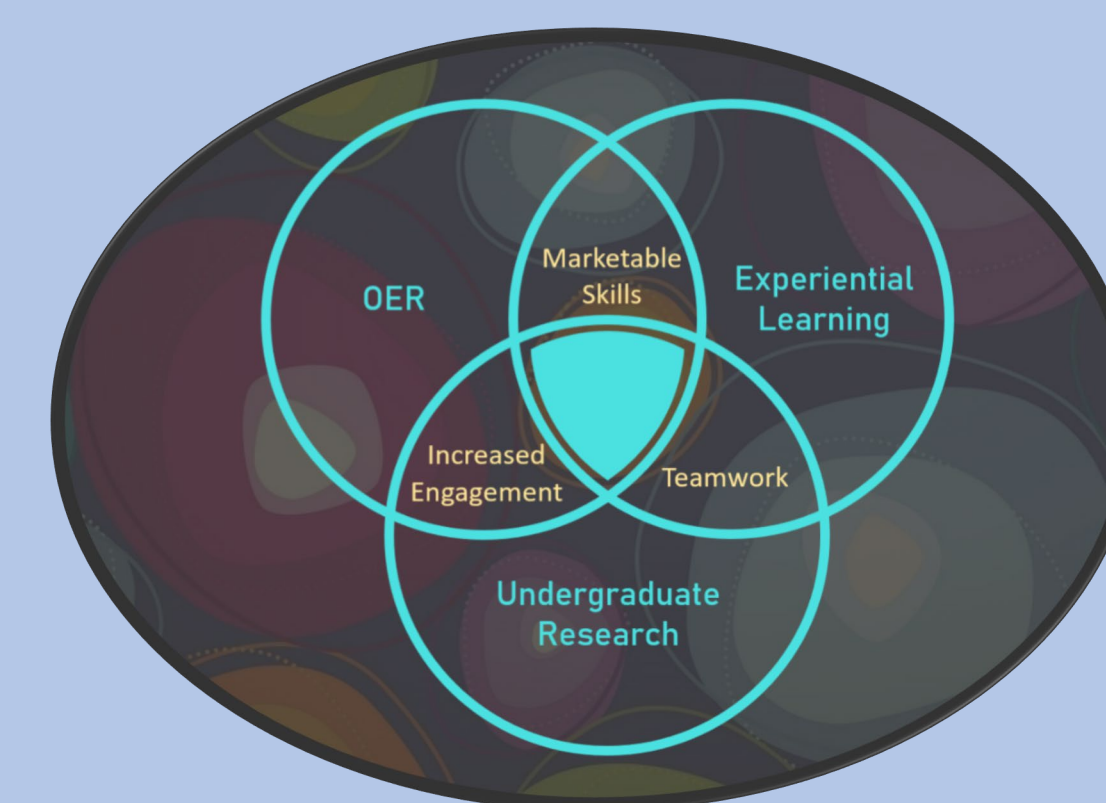
Concept Phase => Concept Plan  
 Research Phase => Development Plan  
 Development Phase => “First Flight”  
 Production Phase => Production Model  
 Final Report Phase

## EXAMPLES

- **MOON SHOT:** 25-minute documentary utilizing NASA films, still pictures, and narrative analysis – production of video done with support of the library
- **PSYCHOPHARMACOLOGY:** booklet of mid-century drug development with each page dedicated to a different pharmaceutical and its impact on society
- **HOUSEHOLD APPLIANCES:** Hot spot pictures, videos, and image sliders to show changes in how society lived at mid-century

### Contact

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### Shout-Outs

THECB OER Geer Grant  
 UTA OER Librarians  
 PLC  
 MAFF/MavAdvantage  
 ELFF/UTA Experiential Learning Librarians  
 UTA CRTLE  
 and my GTA, Eric Spenk