Publications

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Collaboration Between Faculty and the Library Using OER for Curriculum Development

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COLLABORATION BETWEEN FACULTY AND THE LIBRARY USING OER FOR CURRICULUM DEVELOPMENT

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FLORIDA ASSOCIATION OF COLLEGE & RESEARCH LIBRARIES

ANNUAL CONFERENCE

FORT LAUDERDALE, FL

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INTRODUCTION

- High Cost of Textbooks

  - $1,240 – expected cost of textbooks in 2018-2019 for 4-year college students (CollegeBoard, 2019)

  - 43.8% of Florida students spent $301 or more on textbooks in Spring 2018 (Florida Virtual Campus, 2018, p. 9)

  - 63% of ERAU students surveyed in summer 2018 found textbooks more expensive than expected

- Case Study to explore textbooks in online courses

  - Collaboration between the Library and the Faculty create value for the university and student population by incorporating OER into the course development process.

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

- Three campuses:
  - Daytona Beach (DB) -- 7,000 residential students
  - Prescott, AZ -- 3,000 residential students
  - Worldwide (WW) -- 9600 FTE (ca. 25,000 headcount)
    - Classes in over 150 centers
    - Online programs
- Primary degree Programs:
  - Aviation
  - Aerospace Engineering
- Offer Associates through PhDs

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HUNT LIBRARY

- Located on the Daytona Beach Campus

- Serve the DB and WW campuses with the same staff

- Virtual and in-person reference services

- Document delivery

- Virtual and in-class instruction

- Institutional repository support for the university
  - Includes open educational resources (OER)

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OPEN EDUCATIONAL RESOURCES

- Library Strategic Plan, 2018-2021

- Daytona Beach Campus

  - Committee composed of library staff, academic faculty and students

  - Stronger than expected initial interest

  - Have conducted a student survey, a faculty survey, and created a student video

- Worldwide Campus

  - Requests from faculty

  - Online course development pilot

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CURRICULUM DEVELOPMENT PROCESS

- **Faculty creates Course**

- **Assigned an Instructional Design Developer**

- **Standardized Worldwide Template**

- **Shelf life of course - 3 to 5 years**

- **All courses use the Master Templated Course**

- **Key Opportunity design-in Library & OER**

THE PROCESS – FACULTY/IDD

- Course creation timeline established with IDD
- Faculty creates all content, assessments, assignments
- Faculty works with Library team member to generate quality OER resources available
  - Both self-created and public resources

WORLDWIDE TRIAL – LIBRARY SIDE

- WW Library liaison assigned to the project

- Librarian conducted a reference interview to assess faculty needs

- Developed a list of subject-relevant OERs

- Assisted Instructional Designer in identifying library resources to use for case study assignments

- Organized list of OERs Kelly selected

- Worked with Scholarly Commons manager to develop coursepack

  - Not published due to display issues in Canvas, which have since been corrected

HOW IT WOULD LOOK IN SCHOLARLY COMMONS
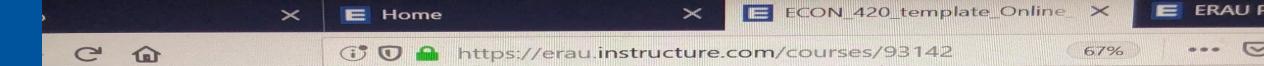
PRESENTATION WITHIN CANVAS

- Master Course Template Landing page

- Sample Module

- OER presentation within the Module

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ECON 420

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ECON_420_template_Online_WW19

| ECON 420 | Economics of Air Transportation |

→ Start Here   & Instructor Bio   ⊘ Academic Resources

❗ Be sure to check the Announcements section **each time** you access the course.

Term Dates: xx/xx/xx to xx/xx/xx
Your Instructor:

❗ Before completing any assignment activities; be sure to read through the weekly module content.

Module 1	Module 2	Module 3
Module 4	Module 5	Module 6
Module 7	Module 8	Module 9

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Module 2 - Air Cargo (xx/xx/xx - xx/xx/xx)

Module 2 Overview and Objectives

Module 2 - Open Educational Resources

Module 2 - Discussion: Demonstrate Your Economic Theory Knowledge
Jun 9 | 100 pts

Module 2 - Case Study Submission: Industry Analysis (PLG1)
Jun 9 | 100 pts

Module 2 - Research Paper: Topic Submission
Jun 9 | 0 pts

Module 2 Wrap-Up

Open Educational Resources

Read 🖹

Flying off Course: Airline Economics and Marketing (Hunt Library) (https://ebookcentral-proquest-com.ezproxy.libproxy.db.erau.edu/lib/erau/detail.action?docID=5630611&query=doganis#goto_toc) - **Note:** You must be logged in to your ERNIE account to view Hunt Library resources. There may be access restrictions limiting the number of viewers that can view Hunt Library resources at any given time. If you are not able to access this resource, check back at a later time.

Chapter 13 - The Economics of Air Freight

Many of the concepts and principles of airline economics can equally apply to the cargo side of the industry. However, there are some particularly unique issues that require separate analysis. Since freight is close to 25% of the airline industry, this chapter covers specific economic theory with respect to the freight sector of aviation transportation.

Air Transport (Transport Geography) (https://transportgeography.org/?page_id=1765)

Future Trends in Transport Aircraft (ICE Virtual Library) (https://www.icevirtuallibrary.com/doi/full/10.1680/eoat.01916.0026)

Air Freight Market Analysis (IATA) (https://www.iata.org/publications/economics/Reports/freight-monthly-analysis/freight-analysis-jul-2018.pdf)

IATA Cargo Strategy (IATA) (https://www.iata.org/whatwedo/cargo/Documents/cargo-strategy.pdf)

Global Air Freight Industry (Mordor Intelligence) (https://www.mordorintelligence.com/industry-reports/global-airfreight-market-industry)

Air Cargo World (Air Cargo World) (https://aircargoworld.com/) is a great resource for you to visit that provides data analysis, trends, and insight into the air freight logistics industry.

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ADVANTAGES OF PUBLISHING IN SCHOLARLY COMMONS

- ERAU uses the bepress Digital Commons platform
  - Tracks downloads
  - Provides information on where users originate
- Faculty can take one unique, durable URL and drop it into Canvas
- System maintains the information, unless we delete it, which we won't
- Raises the profile of ERAU globally

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QUALITATIVE FEEDBACK

- Faculty perspective – if done at course design, low to no additional workload

- IDD – involved in the process early for design integration and workability of links, databases, LMS etc.

- Library perspective

  - Importance of the reference interview

  - Don't get caught up in the technology

  - What works well for Daytona Beach may not for Worldwide

- Student perspective – NO TEXTBOOK COSTS!!!

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FUTURE PLANS – FACULTY PERSPECTIVE

- IDD considerations
    - Production schedule 150-180 courses over 2-3 years
    - Formalize relationship in IDD workflow
- Identify the resources needed to scale the OER/course development model within a University
- Learn how course modules and assessments shift from text-based, traditional methods to more authentic learning activities

FUTURE PLANS – LIBRARY PERSPECTIVE

- Meet with IDD Director and Team in November
  - Set expectations for number of courses library will work on in 2020
  - Request prioritized list of courses and timeline for their completion
- Develop a new model for responding to faculty requests
  - Reference librarians conduct initial conversation with faculty
  - Reference Librarians develop list of textbook alternative options
  - OER Librarian consults as needed and maintains records
  - Scholarly Commons Team builds and publishes coursepack according to faculty wishes

CONCLUSION

- Impacts - greater use of library resources by both faculty and students, and of course

- Economic impact

- Authentic assessments within the course that are not dependent upon paid resources

REFERENCES

- The CollegeBoard. (2019). *Average estimated undergraduate budgets by sector, 2018-2019.* Avaialble at https://research.collegeboard.org/trends/college-pricing/figures-tables/average-estimated-undergraduate-budgets-sector-2018-19.

- Florida Virtual Campus. Office of Distance Learning & Student Services. (2019). *2018 student textbook and course materials survey.* Available at https://dlss.flvc.org/documents/210036/1314923/2018+Student+Textbook+and+Course+Materials+Survey+Report+---+FINAL+VERSION+---+20190308.pdf/07478d85-89c2-3742-209a-9cc5df8cd7ea

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QUESTIONS