Can You Credit This? A Credit-Bearing Information Literacy Course for Graduate Health Science Students

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Overview

- Background and Context
- Course Development
- Syllabus
- Evaluation
- Next Steps

6 Academic Colleges + UFHealth

UFHealth
UNIVERSITY OF FLORIDA HEALTH

UF College of Medicine
UNIVERSITY of FLORIDA

UF
UNIVERSITY of FLORIDA
College of Nursing

CVM
University of Florida College of Veterinary Medicine
Advancing Animal, Human and Environmental Health

UF
COLLEGE of
DENTISTRY

UF College of Public Health & Health Professions
UNIVERSITY of FLORIDA

Background

Colleges of Medicine and Public Health and Health Professions integrate librarians via:

- Course-Integrated Lectures & Support
- Library stand-alone workshops

GMS 5909: Finding Biomedical Research Information and Communicating Science

- Designed to introduce the most important concepts, resources, methods, and tools used in searching for and communicating biomedical information - both literature and data.
- Students explore topics including literature searching, bibliographic citation software, basic NCBI resources, funding sources, data management, and plagiarism and information ethics.

GMS 5909: Course Development and Structure

- Syllabus developed and submitted to the curriculum committees:
  - College of Medicine
  - UF Graduate School
- Feedback from the COM curriculum committee incorporated into syllabus prior to submission to the graduate school level
- 9 classes, held twice a week
- Semi-flipped model
- Frequent instructional team meetings to review course content and activities

Now What?

- GMS 5909 successfully taught for 2 semesters
- Modular format allows for easy adaption
- Multiple PhD programs in the College of Public Health and Health Professions:
  - Audiology
  - Biostatistics
  - Clinical and Health Psychology
  - Epidemiology
  - Public Health (4 concentrations)
  - Rehabilitation Science
  - Speech-Language Pathology

New Course Approval Process

- Initial conversations with PHHP Associate Dean for Educational Affairs
- Meetings with stakeholders: discussed timing and content
- Offered as a “special topics” course

PHC 6937: Finding Health Research Information and Communicating Science

Course logistics:

- Taught over the summer A semester (May 14 – June 22)
- 6 registered students
- 5 were from Public Health (MPH and PhD) and 1 from Pharmacy (PhD)

PHC 6937: Finding Health Research Information and Communicating Science

What's New:

- Two modules were swapped for more relevant content (systematic reviews and grey literature)
- Public Health liaison librarian brought in as additional instructor
- Taught different databases

Course Content

- **Class 1** – Searching the Biomedical and Health Literature: PubMed, MeSH, and MyNCBI
- **Class 2** – Searching the Biomedical and Health Literature: WOS and CINAHL
- **Class 3** – Organizing your Information: Refworks, Endnote, Mendeley, Papers
- **Class 4** – Grants: What you Need to Know Before and After Submitting

Course Content

- Class 5 – Data Management: Best Practices, Requirements, Resources
- Class 6 – Introduction to Systematic Reviews
- Class 7 – Grey Literature Resources
- Class 8 – Plagiarism, Citing, and Ethical Use of Information
- Class 9 – Measuring and Increasing your Research Visibility and Impact

Activities and Homework

- Example activities include:
  - Comparing searches from various literature databases
  - Analyzing search strategies
  - Creating accounts in different citation management tools
  - Creating an NIH Biosketch and data management plan

Assessments

- 2 quizzes – one mid course and one at the end
- Each instructor developed 3-4 questions based on the sessions they led
- Quizzes were auto-graded in Canvas
- Short answer quiz responses were team graded by all of the instructors
- Class participation – individually assessed by leader of each course session

Evaluation

- Informal feedback from students
- No formal course evaluation data

Lessons Learned from Adapting Courses

- Think ahead when designing courses
- Be persistent and flexible
- Course approval and registration processes for library-taught courses can vary
- Successful course terms differ by program