Project-Based Learning in Research Courses

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Topics

- Research Courses: Learner Outcomes
- Project-Based Learning
- Employing Quantitative Inquiry
- Employing Qualitative Inquiry
- The Recovery Narratives Project
Research Courses: Learner Outcomes

❖ Do you want your students to be:
❖ competent consumers of research?
❖ critical thinkers about the value and limitations of research?
❖ conversant with cultural inclusion and responsiveness in research practices?
❖ trained in applying and evaluating evidence-based practices?
❖ prepared to propose and undertake research projects?
Research Courses: Learner Outcomes

❖ “Upon completing this course, students can:
❖ “analyze research reports for appropriateness of methodology and analysis in answering the questions posed by the investigators;
❖ “appraise research literature with regard to multicultural inclusion in study participation and testing of assessment instruments, as well as cultural appropriateness of specific research methodologies;
Research Courses: Learner Outcomes

❖ “explain the importance of fidelity and outcomes evaluation in implementation of evidence-based practices;
❖ “utilize online resources to perform searches, survey findings and build a library of relevant literature;
❖ “choose an area of interest for the master’s project, and
❖ “demonstrate skill in assembling a database of citations, full articles and other resources toward the formulation of the master’s project.”
Project-Based Learning

❖ From the Buck Institute of Education (bie.org):
❖ “Project Based Learning is a teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge.”
Project-Based Learning

❖ Advantages of Project-Based Learning
Employing Quantitative Inquiry

❖ Quasi-Experimental Research (undergraduate)
  ❖ preparation: research question, hypothesis, variables (predictor and criterion), literature review
  ❖ preparation: CITI training and IRB application
  ❖ data collection: closed client files
  ❖ data display: charts and graphs
  ❖ sharing: findings and reflection on experience
Employing Qualitative Inquiry

❖ Semi-Structured Interview (graduate)
  ❖ preparation: research question, literature review, interview design
  ❖ preparation: CITI training and IRB application
  ❖ data collection: mock interviews
  ❖ data analysis: grasp of process
  ❖ sharing: findings and reflection on experience
Example

The Recovery Narratives Project

A Qualitative Inquiry into Lived Experiences of Substance Use, Mental Health and Family Recovery

Looking for Volunteer Storytellers

Recovery Narratives Project

What does recovery mean for you and what makes it possible in your life?

Participants are interviewed for qualitative research and have the option of being part of a podcast.

For more information, contact Therissa Libby at therissa.libby@metrostate.edu or 651-793-1501.
recoverynarratives.org
The Recovery Narratives Project

- Preparation: research question, literature review, interview design
  - considering definitions
  - exploring limited literature
  - utilizing citation manager
  - scripting questions
The Recovery Narratives Project

- Preparation: CITI training and IRB application
  - CITI: researcher (not student) training
  - IRB: research ethics and review types
  - IRB: components and purpose of each
  - application reviewed by instructor
Human Subjects Research Procedures

Review Process

- Types of Review
- What is Exempt from Review?
- Expedited or "Minimal Risk" Review
- Full Review
- Criteria for Approval
- Suspension or Termination of Approval
- Common Problems Encountered in the Review Process
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- Data Collection: mock interviews (groups of three)
  - considering necessary interviewing skills
  - reviewing fidelity to script
  - holding/videorecording interviews
  - debriefing process
The Recovery Narratives Project

- Data Analysis: grasp of process
  - considering necessary analysis skills
  - delineating the process
  - exploring possible results
  - contextualizing the work
The Recovery Narratives Project

- Sharing: findings and reflection on experience
  - reviewing forms of reporting
  - sharing commonalities and differences
  - reflecting on multiple perspectives
  - reflecting on lessons learned
Thank You!

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