Course Description:
This course is designed to provide an introduction to research methodologies, designing research, analyzing data, and presenting results and gaining an understanding of the importance of research in the counseling profession. Program evaluation, quantitative, qualitative and mixed research methods will be presented. Students will develop hands-on experience with quantitative and qualitative methodologies. Students will learn the process of evaluating research studies including evidence-based practices.

Course Objectives:
As a result of this course students will be able to:

- Understand how to formulate a research question and why research is important to the counseling profession
- Understand program evaluation, quantitative, qualitative and mixed methods approaches and when these approaches might be used to answer a research question
- Write a literature review
- Design and implement quantitative research
- Design and implement qualitative research
- Understand the use of mixed methods
- Analyze data using descriptive and inferential statistics
- Present results
- Evaluate research studies including evidence-based practices

Instructional Methods
Instructional methods will include lecture, guided discussion, small group discussion, case discussion, video, and guest lecture.

**Disability**
Gordon-Conwell Theological Seminary (GCTS) is in compliance with the provisions of the Americans with Disabilities Act. If you have a disability, which meets GCTS' Disability Accommodation Policy, first inform Student Life Services in writing. Then discuss with your professor the disability requiring accommodation.

**Required Texts:**


In Library Reference Section
**APA Style Manual** or at
http://owl.english.purdue.edu/workshops/hypertext/apa/print/wholeworkshop.pdf
Survey Monkey can be found at http://www.surveymonkey.com/

Possible Texts for reading requirement
**LIST 1**
You may find this list of resources helpful.


Merriam, S.B. (1998) *Qualitative Research and Case Study Applications in Education : Revised and Expanded from I Case Study Research in Education/I (Jossey Bass Education Series)* San Francisco: Jossey Bass


**LIST 2**
In addition to required readings for each day, read 1 book from this list.


Briski, Z. & Kauffman, R. (2004). *Born into Brothels: Photographs by the Children of Calcutta* (must also watch documentary) India/USA: ThinkFilm.


**Requirements**

Students are expected to attend all classes and to participate actively. *Students will discuss all absences with the instructor.* Students will complete all reading and other assignments ON TIME. If life intervenes to prevent you from turning in an assignment on time, I will honor your prioritization of your life over schoolwork and the grade penalty is 1 point per day including weekends with no late assignment accepted more than 1 week late. Walker Percy said, “You can get straight A’s and flunk life.” Choose life and incur the grade penalty.

**Assignments**

- Devotional………………………………………………………………………………………………………………………….2 pts
  - Present a brief devotional on research and evaluation found in the Bible such as the spies in Canaan, Nehemiah and the wall, the Parable of the Talents, or God providing formative evaluation of Israel.
- Find 3 abstracts in library database……………………………………………………………………………………….3 pts
  - Instructions will be given in class.
- Read an article on qualitative tradition ..........................................................5 pts
  - To get any points, you MUST read the article BEFORE CLASS. See below.
- Read an article on a research study..........................................................5 pts
  - To get any points, you MUST read the article BEFORE CLASS. See below.
- Book Report………………………………………………………………………………………………………………….10 pts
  - Include (1) the research question(s), (2) the importance of the research, (3) the context for the research (who/what did the author study?), (4) description of qualitative methodology and how data were collected and analyzed (including any use of validity checks), & (5) research conclusions.
- Reading Log……………………………………………………………………………………………………………………….5 pts
  - See below.
Quantitative Research Project………………………………………………………………35 pts
  o  PLEASE CHECK THE SCORING RUBRIC ON Sakai.
  o  You will be developing and administering a survey on-line. You will be analyzing the data from that survey and displaying the summary on a 2’ X 3’ poster.
    •  Include the following headings:
      ·  Introduction including (1) Statement of the problem (Why is this study important?), (2) Research Question, and (3) Null and alternate hypotheses in a narrative format.
      ·  Literature Review
        o  Note: this “mini” literature review will be of 5 articles, will be between 1 and 2 pages, in APA style, and will include a reference section at the end.
        o  The literature review will support your statement about why this study is important
      ·  Methodology
        o  Note: briefly describe the research design, the target population and number of participants, operationalization of your variable of interest, pilot test, the survey with response options, the level of significance and the possibility of Type I error
        o  If you reverse coded any of your items, briefly describe.
      ·  Data Analysis and Results
        o  Note: include reverse coding if relevant, mean, standard deviation, type of statistics including descriptive and inferential, t-test, p-value, correct conclusion regarding rejecting the null, and a graph
      ·  Discussion
        o  Note: include conclusions and implications for future research as well as limitations of your study (including external validity issues)

Qualitative Research Project………………………………………………………………35 pts
  o  PLEASE CHECK THE SCORING RUBRIC ON Sakai.
  o  The components of this project are:
    •  Interview
      ·  You will be conducting a 30 to 45 minute interview with a person who is studying counseling at a seminary. Your interview will be focused around the question “Why did you choose to study counseling at a seminary?”
      ·  Interview will be audio recorded.
      ·  Must have a consent form.
    •  Transcription
      ·  You will be transcribing 15 minutes of the interview.
      ·  Do not use real names in the transcription (use pseudonyms)
    •  Field Notes
      ·  You will write notes about the interview
These notes are your thoughts, possible conclusions you might draw, what was the experience like for you, what went wrong, what went right, and any other reflections.

These notes are similar to a journal or diary entry.

- Literature Review
  - This “mini” literature review will be of 2 articles.
  - Should be in APA format (including double spacing).
  - Should be 1 to 2 pages
- Data Analysis
  - You will identify themes, categories and trends from the transcription and provide a conclusion

Course Outline with Assignments
Assignments are due on day listed by 4pm.

September 16 Review syllabus. Daniel 1 as a research question. Generate research questions. Difference between research and program evaluation. Evaluation as either formative or summative. Devotional example: Genesis 1 as summative evaluation
Assignments:
- Read Creswell chapter 1

September 23 Ethical considerations. Literature review.
Assignment:
- Read Creswell chapters 2-6
- **Turn in 3 abstracts**

September 30 Quantitative design (experimental and quasi-experimental designs), sampling and external validity. Operationalizing variables, writing items.
Assignment:
- Read Creswell chapters 7-8
- **Complete Attitudes toward Statistics survey on Survey Monkey**

October 7 Survey development, pilot testing, how to add up the scores. Descriptive statistics.
Assignment:
- **Turn in mini literature review of 5 articles for quantitative research proposal to a classmate.**
- **Finalize your 10-item survey and put it up on Survey Monkey. Send the link to the class.**
- Read Swanson chapters 1-5 (You don’t need to complete the exercises.)

First Reading Week (October 10-14)
- Enter survey results in “t-test” Excel spreadsheet
October 21 Inferential statistics; guest speaker: Monica Geist, Ph.D.
Assignments:
  • Read Swanson chapter 6-7

October 28 Qualitative Research Design: Observations, Interviews and Documents
Assignments:
  • Read Creswell chapter 9
  • **Friday March 11** 6 p.m. light supper and 7 p.m.: Watch Kitchen Stories at Masons (11 Lanes End, Ipswich) or view it on your own: Kitchen stories (2003) DVD Salmer fra kjøkkenet

November 4 Qualitative Research Design: five methodologies; validating the accuracy of the findings. Data analysis.
  • Assignment: To get any points, you must **read the article BEFORE CLASS and be present in class**. Read the article on CAMS that corresponds to the first letter of your last name.

A-D Narrative – On the bus with Vonnie Lee: Explorations in life history and metaphor, by Michael V. Angrosino

E-H Phenomenological – Cognitive representation of AIDS, by Elizabeth H. Anderson and Margaret Hull Spencer

I-L Grounded Theory – Constructions of survival and coping by women who have survived childhood sexual abuse, by Susan Morrow and Mary Lee Smith

M-P Ethnography – Rethinking subcultural resistance: Core values of the straight edge movement, by Ross Haenfler

Q-Z Case Study – Campus response to a student gunman, by Kelly J. Asmussen & John W. Creswell

2nd Reading Week (November 7-11)
  • Complete quantitative project

November 18 Quantitative vs. qualitative research debates. Mixed methods.
  • **Turn in Qualitative Research Project**
  • Read Creswell chapter 10

Thanksgiving holiday (November 24-25)

December 2 Evaluating research studies
Assignment:
  • **To get any points, you must read the article in PsychARTICLES that corresponds to the first letter of your last name BEFORE CLASS and be present in class.**

A-F

G-L

M-R

S-Z

December 9 **Book presentations**

December 16 **Poster presentations (quantitative project)**

December 20 4pm
Last day to submit written assignments or apply to Registrar (not to instructor) for extension if needed. Let the instructor know if you are applying for an extension.

- **Turn in reading statement**

  **Reading Statement CO699 Research Methods and Design**

  NAME: _____________________________  Box #: _____________

  I have read all the required reading.
  Cresswell
  Swanson (7 chapters)
  Article on Viennese Social Competence Training
  An article on qualitative tradition
  An article on a research study
  At least 7 articles for 2 literature reviews
  1 book from List 2
  Kitchen Stories

  ___________________________________________  ___________________________________________
  Signature  Date

  OR

  Of the required reading, I have read _____ % of the reading.

  ___________________________________________  ___________________________________________
  Signature  Date