COUN 5340
Research and Program Evaluation
SUMMER 2015
SYLLABUS

Professor: C. R. Barké, Ph.D.  
Office: HPR 227
Email: cbarke@uttyler.edu  
Phone: 903-565-5875
Class Day/Time: T/R 9:00 – 11:50 AM  
Location: HPR 248

Start Date: 05/26/2015
End Date: 07/09/2015

Office Hours: T/R 12:00-1:30 pm; or by appointment


Other online resources:
Selecting Statistics Tool: http://www.socialresearchmethods.net/selstat/ssstart.htm


Blackboard course site: 2015-SUMMER-COUN-5340.501

Course Catalog Description:
COUN 5340: Principles, models, and applications of research in counseling, including needs assessment, program evaluation, statistical analyses of data, and the critical appraisal of psychological and counseling research.

COMMUNICATION NOTE: My preferred mode of communication will be E-MAIL. I will reply to all e-mail messages as soon as possible, and always within 24 hours, except for weekends, when it may take longer. If it is an EMERGENCY, please include EMERGENCY in the subject line of your email. I will not reply to emails I receive, unless emergency, between 8 pm and 9 am. For anything that would delay your submission of items for a deadline, please be assured that I will not count the lateness against you if it was a technical or other problem at my end.

Required Prerequisites: None.

Student Learning Outcomes: As a result of this course, successful students will be able to:

- Identify the theoretical underpinnings of research methods such as qualitative, quantitative, single-case designs, action research, and outcome-based research; [CACREP Standard II.G.8.b]
- Identify principles, models, and applications of needs assessment, program evaluation, and the use of findings to effect program modifications; [CACREP Standard II.G.8.d]
- Understands how to evaluate and apply relevant research findings to inform the practice of clinical mental health counseling. [CACREP Standard II.G.8.e ; CMHC Knowledge Area I.1; CMHC Skills and Practices J]
Knows models of program evaluation for clinical mental health programs. CMHC Knowledge Area I.2

Analyzes and uses data to increase the effectiveness of clinical mental health counseling interventions and programs. [CMHC Skills and Practices J]

Knows evidence based treatments and basic strategies for evaluating counseling outcomes in clinical mental health counseling. [CMHC Knowledge Area I.3]

Articulate basic principles of statistical methods used in conducting research and program evaluation, including scales of measurement, measures of central tendency, indices of variability, shapes and types of distributions, and correlations; [CACREP Standard II.G.7.c]

Accurately choose and conduct statistical data analyses, using EXCEL statistical software, such as factorial, repeated measures and mixed ANOVA/ANCOVA, multiple regression, and nonparametric analyses, emphasizing the basic assumptions, appropriate uses, and the interpretation of each; [CACREP Standard II.G.8.c]

Understands how to critically evaluate research relevant to the practice of clinical mental health counseling. [CMHC Knowledge Area I.1]

Ethical and culturally relevant strategies for interpreting and reporting the results of research and/or program evaluation studies. [CACREP Standard II.G.8.f]

Write up the results of data analyses in the form used for professional journal articles

Clinical Psychology Assessment Plan:

**6.0 Research Methodology and Analysis**: Students will demonstrate an understanding of research methods and statistical analysis, including the critical appraisal of psychological research. (MPAC-B)

6.1 During their first 30 semester credits in the program, students will take PSYC 5340: Advanced Statistics and Design, during which they will complete two exams wholly comprised of items related to research methods and statistical analyses.

Clinical Mental Health Counseling Assessment Plan:

**8.0 Research and Evaluation**: Students will demonstrate an understanding of research methods, statistical analysis, needs assessment, and program evaluation, including the critical appraisal of psychological research.

8.1 During their first 30 semester credits in the program, students will take COUN 5340: Research and Program Evaluation, during which they will complete two exams wholly comprised of items related to research methods and statistical analyses. The course instructor will score the exam. 90% of students will achieve a score of 80% or higher on each exam.

Homework assignments will require you to apply this knowledge, as well as knowledge of good research methodology and design.

The schedule of assigned topics for each class period is given below, along with the assigned readings from the texts. Homework assignments will be made at the end of class periods, available through BB Assignment function, and are to be submitted PRIOR to the beginning of the following class period. Homework will consist of applications of the topics using EXCEL or as otherwise assigned and explained.

Class time will be used to elaborate, clarify, and exemplify the material presented in the text. Therefore, it is expected that all students will have read relevant material assigned for that class period and are responsible for requesting clarification of material covered in the texts, as needed.
**Grading:** Two exams (worth 40% each) will comprise 80% of the final grade. The homework assignments will comprise the other 20%. All assignments MUST be turned in on time in order to receive full credit, late assignments may receive partial credit.

Grading Scale: A=90% +, B=80%-89%, C=70%-79%, F= 69% or less

Course Schedule (Tentative):

<table>
<thead>
<tr>
<th>Week/Date</th>
<th>Topic</th>
<th>Reading/BB</th>
<th>Assignments DUE</th>
</tr>
</thead>
</table>
| 1  5/26   | • Syllabus  
           • BB site  
           • Accessing Excel  
           • Textbook  
           • Research meets Therapy: Evidence based practice (EBP PPT) | EBP PPT |  |
| 1  5/28   | • Review HW#1  
           • Res Design & Stat Review (as needed)  
           • Introduction to EXCEL (PPT) & STATISTICIAN software (PDF)  
           • Creating Data files and Data Entry, editing | NS Ch. 1, 1a, 1b  
[Excel PPT]  
[Introducing Excel PPT] | HW#1: Survey and Review Exam (10 pts) |
| 2  6/2    | • Review HW#2  
           • Experimental Designs  
           • Evaluating Research reports  
           • Exploring data  
           • Descriptive Statistics  
           • Class Survey Results Data | NS Ch. 2-3 | HW#2: Data entry and Editing Files (10 pts) |
| 2  6/4    | • Review HW#3  
           • Single case designs  
           • Quasi-experimental Designs  
           • Needs Assessment Designs  
           • Frequency Distributions  
           • Excel graphs | NS Ch. 4 | HW #3: 3.1 Descriptives & Design Critiques (10 pts) |
| 3  6/9    | • Review HW#4  
           • One group designs: t-tests  
           • Two-group designs: t-tests | NS Ch. 11, 12 | HW#4: Graphing in Excel (10 pts) |
| 3  6/11   | • Review HW#5  
           • One way ANOVA | NS Ch. 13 | HW#5: t-tests (10 pts) |
| 4  6/16   | • Review HW#6  
           • Program Evaluation Designs  
           • Factorial ANOVA | NS Ch. 14 | HW#6: One-way ANOVA (10 pts) |
<table>
<thead>
<tr>
<th>Date</th>
<th>Module</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/18</td>
<td>4</td>
<td>EXAM I (through one-way ANOVA)</td>
</tr>
<tr>
<td>6/23</td>
<td>5</td>
<td>Module 8.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Review Exam I results</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Review HW#7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Correlation analysis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Simple Regression</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NS Ch. 5, 6, 15</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HW#7: Factorial ANOVA</td>
</tr>
<tr>
<td>6/25</td>
<td>5</td>
<td>Module 9.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Review HW#8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Multiple Regression</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NS Ch. 16</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HW#8: Correlation, Simple Regression analyses (10 pts)</td>
</tr>
<tr>
<td>6/30</td>
<td>6</td>
<td>Module 10.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Review HW#9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Tests for Nominal Data: Chi-square</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NS Ch. 17, 18</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HW#9: Multiple Regression (10 pts)</td>
</tr>
<tr>
<td>7/2</td>
<td>6</td>
<td>Module 11.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Review HW#10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Qualitative Research Designs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HW#10: Chi-square (10 pts)</td>
</tr>
<tr>
<td>7/7</td>
<td>7</td>
<td>Review for EXAM II</td>
</tr>
<tr>
<td>7/9</td>
<td>7</td>
<td>EXAM II (Correlation through Chi-square)</td>
</tr>
</tbody>
</table>

Disclaimer: This is a description of what you can expect in the course. It may be necessary to make modifications in the schedule.

Technical Information

The following information should be included in your syllabus to give direction to the students on how to obtain technical support should problems arise with Blackboard. Also included is a short list of browser plug-ins and other suggested applications that students should make sure they have installed and/or updated.

Technical Support

If you experience technical problems or have a technical question about this course, you can obtain assistance by emailing itsupport@patriots.utttyler.edu or call 903.565.5555.

When you email IT Support, be sure to include a complete description of your question or problem including:

- The title and number of the course
- The page in question
- If you get an error message, a description and message number
- What you were doing at the time you got the error message

You may also visit the Help Tab in Blackboard for useful information or check out On Demand Learning Center for Students http://ondemand.blackboard.com/students.htm
Plug-ins and Helper Applications
UT Tyler BB courses use Java, JavaScript, browser plug-ins, helper application and cookies. It is essential that you have these elements installed and enabled in your web browser for optimal viewing of the content and functions of your BB course. Always ensure that you are using the most update version for the browser you choose to access the online learning content.

NOTE: Mozilla Firefox is the recommended browser for Blackboard. (URL: http://www.mozilla.org/en-US/firefox/new/)
- Adobe Reader allows you to view, save, and print Portable Document Format (PDF) files. (URL: http://get.adobe.com/reader/)
- Java Runtime Environment (JRE) allows you to use interactive tools on the web. (URL: http://www.java.com/en/download/)
- Adobe Flash Player allows you to view content created with Flash such as interactive web applications and animations. (URL: http://get.adobe.com/flashplayer/)
- QuickTime allows users to play back audio and video files. (URL: http://www.apple.com/quicktime/download/)
- RealPlayer allows you to view and listen to streaming video and audio. (URL: http://www.real.com/)

Netiquette Guide
"Netiquette" is network etiquette, the do's and don'ts of online communication. Netiquette covers both common courtesy online and informal "rules of the road" of cyberspace. Review and familiarize yourself with the guidelines provided. (URL: http://www.learnthenet.com/learn-about/netiquette/index.php)

University Policies

Grade Replacement/Forgiveness. If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the 12th day of class. Failure to do so will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates will receive grade forgiveness (grade replacement) for only three course repeats; graduates, for two course repeats during his/her career at UT Tyler.

Disability Services. If you have a disability, including a learning disability, for which you request disability support services/accommodation(s), please contact Ida MacDonald in the Disability Support Services office so that the appropriate arrangements may be made. In accordance with federal law, a student requesting disability support services/accommodation(s) must provide appropriate documentation of his/her disability to the Disability Support Services counselor. For more information, call or visit the Student Services Center located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579). Additional information may also be obtained at the following UT Tyler Web address: http://www.utttyler.edu/disabilityservices.
**Student Absence due to Religious Observance.** Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

**Student Absence for University-Sponsored Events and Activities.** If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

**Social Security and FERPA Statement:** It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

**Grade Grievances:** Grade grievances can be filed only after final grades have been posted after the end of the semester, but must be made within 90 days of the semester end. To file a grade grievance, refer to the appropriate section of the UTT Catalog (p. 38). Since the instructor for this course is also the Department Chair, appeals beyond the instructor will be submitted to the Dean of the College of Education and Psychology.