COURSE SYLLABUS

TIME/LOCATION: MONDAY EVENING, 6:00 pm to 10:30 pm Grand Island Campus

INSTRUCTOR: Donald P. Belau, Ph.D.
e-mail: donald.belau@doane.edu
cell phone: 402-759-0573
home phone: 402-759-4574

Please note that there will be possible adjustments in the schedule due to instructor conflicts. A possible makeup class may be assigned on a Saturday.

Instructor: Donald P. Belau, Ph.D. LIPC NCSP
How and when to contact: Contact information given at first class session

Required Texts:


Zeisset, A Quick Guide to Critiquing Research (3rd Ed.) (available on Blackboard-Introduction to Counseling course under Course Documents)

Course Description:
This course provides students with the skills necessary to critically evaluate counseling and clinical research literature. Students are introduced to consensual models of science, the process of research inquiry, and the role of the mental health counselor as a knowledgeable research consumer. Students are also introduced to sampling theory, hypothesis testing, and the application of descriptive and inferential statistics. At the completion of this course, students will be able to read and understand research reports in the literature as well as critically examine literature that is non-empirically based.
Students will also understand the process for designing their own research and program evaluation.

**Course Outcomes and Objectives:**
At the end of the course students will be able to interactively read and critically evaluate psychological research literature as well as non-psychological literature. Students will be familiar with various models of research. Students will have a conceptual grasp of the value of research and the importance of basing counseling practice on a solid foundation supported by research. Students will understand basic statistical techniques used in research.

**Methods of Instruction:**
Readings, discussion, lectures, demonstrations and exercises. Summaries, with reflections and reactions, will be prepared by the student for assigned readings.

**Assessment of Student Learning and Performance, Grades:**
Evaluation will be based on class participation, class assignments, weekly summaries of readings, a quiz on statistics and measurement concepts, and a final project.

Points for the course will be assigned as follows:
- 15% Class participation
- 5% Weekly summaries of assigned chapters in Stanovich (to be turned in at class each week, beginning second week of class)
- 20% An open-book exam on statistics and measurement concepts
- 15% A multiple choice exam on research terms and concepts
- 10% Research critique assignments (5 total, one a week beginning Week 3)
- 30% Final Projects: (a) a critique of a full article and (b) a listing of key concepts from the course
- 5% Student self-evaluation of performance in course

**Evaluation Process:**
Grades will be calculated based upon the percent of points earned out of the total possible points. The following percentages will apply.

- A+=100-98  B+=89-87  C+=79-77  
- A=97-94  B=86-84  C=76-74  
- A-=93-90  B-=83-80  C-=73-70

**Attendance at all class sessions is expected.** If you must miss a class, please let instructor know in advance, if possible. You will be expected to demonstrate your grasp of the material from that session in a paper (3-5 pages) or another format agreed to by the instructor if you want to partially offset the loss of class participation points for the session you miss. A student missing more than two sessions should not expect to pass the course. For make-up papers, length is based on double-spaced typed pages using one-inch margins and using a proportional 12-point font (such as this). Other formats are acceptable, but length should be adjusted accordingly.
Descriptions of Graded Performance Learning Activities:
Early weeks of the class will focus on basic statistics and measurement concepts, mastery of which will be assessed by an objective exam. As knowledge is gained about key components of research, application of that knowledge in actual critiquing of research will be the focus.
Both contrived and real articles will be used in class exercises. A list of questions about different aspects of a research study will be the basis for five critiquing assignments.

Weekly summaries. An example of a Stanovich chapter summary, for the reading for the first class session, will be provided during the first session. All other summaries will be due at the beginning of class on the date for which assigned.

Final project. The final project, due at the last class session, has two parts: A critique of a full article distributed at the next-to-last session, using the same questions as the five individual critique assignments, will be completed. The second part is a listing and brief description of the 20 most important concepts covered in the course, in the student’s judgment. It is preferred that all assignments submitted for this course are typed. To facilitate this process, formats for critiques and self-evaluations will be available electronically.

General Information:
Academic Integrity. The Doane College Academic Integrity Policy will be enforced in this course. All assignments, projects and tests in this course will represent your own work. Any use of others’ ideas and words without proper citation of sources is plagiarism. Instances of academic dishonesty as defined in the policy, if a first offense, will result in loss of all points for the assignment or exercise. If warranted by the seriousness of the infraction, a greater penalty may be imposed on recommendation to the Vice President for Academic Affairs. Sanctions for second and subsequent offenses are handled by the Vice President for Academic Affairs.

Professional Performance Evaluation Ratings. In addition to a letter grade for the course, each student will receive a Professional Performance Evaluation rating. The following scale is used:
5 = Exceptional: At level of practicing professional counselor
4 = High: Higher than expected for educational and experience level
3 = Good: Performance meets expectations for level
2 = Low: Indicates substandard performance. Requires remediation
1 = Poor: Far below expected level of performance. Monitoring and significant remediation is required

In awarding the Professional Performance rating, the instructor will consider the following aspects of a student’s performance:
a) Listens to others, cooperates with others, and accepts other points of view
b) Responds in a self-reflective and self-critical manner to comments about professional and academic performance
c) Abides by established ethical standards
d) Shows motivation to master new material
e) Demonstrates sensitivity, awareness, and acceptance of cultural and individual differences
f) Demonstrates critical thinking and healthy skepticism
g) Tolerates ambiguity that is inherent in the field of mental health
h) Recognizes the rights and responsibilities of counselors as well as other professionals.

*Classes, Activities, and Lesson Outline: Note: All readings are to be completed prior to the class meeting.*

**Tentative Course Schedule –  Research in Counseling Winter II, 2011**

**Week/Topic/Readings**

**WEEK 2**
S&M Ch. 1 (p. 1-12)

**WEEK 3**
S&M pp. 12-17 & pp. 60-61
QGCR: Critiquing the Introduction

**WEEK 4**
QGCR: Critiquing the Sample

**WEEK 5**
S&M: Ch 3 (p. 26-29, 35-41)
QGCR: Critiquing Variables & Measures

**WEEK 6**
QGCR: Critiquing the Research Design

**WEEK 7 Statistics & Measurement Exam**
QGCR: Critiquing Results, Discussion and Abstract

**WEEK 8**
Discuss Final Projects

**WEEK 9**
Final Projects due
Course wrap-up
Stanovich Ch. 12 (no summary required)
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<tr>
<th>Week</th>
<th>Topic</th>
<th>Readings</th>
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<tr>
<td>1</td>
<td>Scientific Method; Reading, Thinking Critically</td>
<td>Stanovich Ch. 1</td>
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<td>APA Style and Communicating Research</td>
<td>Zeisset, Ch. 1</td>
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<td>2</td>
<td>Theories and Falsifiability</td>
<td>Stanovich Ch. 2</td>
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<td>Frequency Distributions &amp; Levels of Measurement</td>
<td>Zeisset Ch. 2 (p. 7-27)</td>
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<td>Measures of Central Tendency and Variability</td>
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<td>3</td>
<td>Research Questions &amp; Hypotheses</td>
<td>Stanovich Ch. 3, 5</td>
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<td>Operational Definitions</td>
<td>Zeisset Ch. 2 (p. 28-36) &amp; Ch. 7</td>
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<td>Correlation</td>
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<td>Critiquing the Introduction</td>
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<td>4</td>
<td>Samples, Sampling, and Tests of Significance</td>
<td>Stanovich Ch. 7</td>
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<td>Hypothesis Testing and Errors</td>
<td>Zeisset Ch. 3 &amp; Ch. 8 (131-139), Appendix B</td>
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<td>Artificiality is a Strength</td>
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<td>Critiquing the Sample</td>
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<td>Connectivity and Convergence</td>
<td>Stanovich Ch. 8</td>
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<td>Reliability and Validity</td>
<td>Zeisset: Ch. 4, Ch. 5, &amp; Ch. 8 (p. 139-147)</td>
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<td>Independent and Dependent Variables</td>
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<td>Critiquing Criteria, Variables, and Measures</td>
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<td>6</td>
<td>Testimonials and Case Study Evidence</td>
<td>Stanovich Ch. 4, 6</td>
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<td>Looking for Confounding Variables</td>
<td>Zeisset: Ch. 8 (p. 147-155)</td>
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<td>Critiquing the Research Design</td>
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<td>Applying statistics &amp; measurement knowledge</td>
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<td>7</td>
<td><em>Statistics &amp; Measurement Exam</em></td>
<td>Zeisset: Ch. 9</td>
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<td>Data Analysis and Presentation</td>
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<td>Critiquing Results, Discussion and Abstract</td>
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<td>8</td>
<td>Multiple Causation</td>
<td>Stanovich Ch. 9, 10,11</td>
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<td>Probabilistic Reasoning</td>
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