Course Title: ED 601 Methods of Education Research

Credit Hours: 3 Semester Hours

Instructor: Dr. Joy L.M. Brown

Office: SH 503
Phone: (256)765-4837 (Office)
Email: jmbrown@una.edu

Office Hours: Listed on Angel Coursepage
Note: Occasionally other obligations (University committee meetings, meeting with interns, etc...) may impose upon stated office hours. Special appointments can be made with the instructor by phone or e-mail.

Term: Spring 2012

Catalog Description: Study of the methods and techniques of research used in the education and social sciences. Attention is given to the theoretical and practical basis of research along with the fundamentals of problem identification, hypothesis, sampling, instrumentation, and data collection. Data analysis includes descriptive statistics, use of test scores, t-test, and an introduction to ANOVA (Bulletin 2001-2002).


All students will be required to have a LiveText account. These can be purchased through the UNA Bookstore or on-line.

Recommended Course Text:

Instructional Modalities:
Distance learning including discussion boards, e-mail, and Powerpoint presentations

Course Objectives:
The course covers the basic methods and techniques of educational research. The student will be required to show competence in the following areas: Illustrating the relationships among types of research

• Analyzing a study and determining its intent and the method used
• Developing hypotheses for a given study
• Analyzing a study and identifying the dependent and independent variables
• Stating appropriate research problems
• Synthesizing a study illustrating a given intent, type, and method of research
• Analyzing a study and identifying the types and levels of data the study would produce
• Applying the data collection methods and techniques available
• Determining the data analysis techniques for given sets of data
• Utilizing appropriate sampling techniques
• Illustrating given examples of experimental designs
• Applying research writing procedures
• Locating and using appropriate source material

Last updated: 1/4/2012
“Engaging Learners, Inspiring Leaders, Transforming Lives”

The College of Education’s Conceptual Framework, which is continuously evaluated in an outcome-based system, establishes a shared vision in preparing educators to work effectively in P-12 schools; provides direction for programs, courses, teaching, candidate performance, scholarship, service and accountability; and is knowledge-based, articulated, shared and consistent with the University of North Alabama’s institutional mission:

“The College of Education’s Conceptual Framework is designed to reflect current research-based knowledge and effective practices through professionalism, assessment, collaboration, technology, diversity and reflection. The UNA College of Education prepares

“Knowledgeable Practicing Professionals”

who:

- Demonstrate professionalism through a set of beliefs, actions, dispositions and ethical standards that form the core of their practice;
- Have the knowledge and ability to use assessment strategies to guide teaching and learning, especially impact on student learning, and to strengthen instruction and increase professional growth;
- Form communities of learners with other teachers, parents, and members of the community, through collaboration, teamwork, and research-based approaches;
- Use technology to support assessment, planning and instruction for promoting student learning;
- Value and plan for diversity in curriculum development, instructional strategies and in the promotion of social consciousness;
- Know and use self-awareness and reflection as decision-making tools for assuring student learning, professional performance and personal growth.

Graduates of the University of North Alabama’s College of Education are knowledgeable practicing professionals who are prepared as outstanding educators and leaders through achievement of the highest standards of knowledge and practice to assist all candidates to learn.
**Requirements**

**Course Requirements:**

Each student is required to:

1. Complete assigned readings.
2. Take assigned tests and pop quizzes.
3. Create a three-chapter research proposal and approved grant proposal. (Each student will complete a three-chapter research proposal within their field of study (ie. – Counseling, Elementary Education, Math Education, etc…). The proposal will follow the guidelines found within the template on LiveText. Each student will also create a grant proposal to apply for a grant from a public or private organization or company.)
4. Complete other class assignments.

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<tr>
<th>Standard</th>
<th>Assignment</th>
<th>Assessment</th>
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<tbody>
<tr>
<td>290-3-3-.03(5)(c)4.(i) Knowledge of research relating collective responsibility for student learning to increased achievement for all students</td>
<td>Create a three-chapter research proposal and approved grant proposal.</td>
<td>Graded using rubric</td>
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<tr>
<td>290-3-3-.50(3)(h)1. Knowledge of research and evaluation, to include basic statistics and research designs, with emphasis on the ethical and legal implications of research.</td>
<td>Create a three-chapter research proposal and approved grant proposal.</td>
<td>Graded using a rubric.</td>
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<tr>
<td>290-3-3-.50(3)(h)2. Ability to apply basic statistics and research</td>
<td>Create a three-chapter research proposal and approved grant proposal.</td>
<td>Graded using a rubric.</td>
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<td>290-3-3-.50(3)(l)1.(i) Knowledge of how to critically evaluate research relevant to the practice of school counseling.</td>
<td>Create a three-chapter research proposal and approved grant proposal.</td>
<td>Graded using a rubric.</td>
</tr>
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All standards-based requirements of the course must be satisfactorily completed to receive credit for the course.

To apply credit for this course to a teacher education program the candidate must earn a "C" or better.

**Grading Scale**

A = 93-100; B = 80-92; C = 70-79; D = 60-69; F = below 60

**Exams:** Exams will be given in Stevens Hall. **Students will reserve an exam time on the Distance Learning page at least a week before the exams.** Please see the Distance Learning Exams Information Page on the ED 601 coursepage for more information. Students who have other obligations on the exam dates/times may contact the professor or Distance Learning in advance to schedule an earlier exam time.

**Key Dates/Assignments**

**Course Calendar and Assignments:** (SEE COURSE PAGE CALENDAR FOR MORE INFORMATION.)
Date Assignments:
(For each chapter, you will read the chapter in the textbook and view the corresponding Powerpoint.)

January 11th - Introduction/Ch. 1 – What is Research
January 18th - Ch. 2 – Tools of Research,
January 25th - Ch. 3 –The Problem: The Heart of the Research Process (View Chapter 3 Powerpoint and complete Tasks found in Speakers Notes in the Powerpoint – Due February 8th)
February 1st - Ch. 4 – Review of the Related Literature/
February 8th - Ch. 5 – Planning Your Research Project; Ethical Standards in Research. Tasks from Chapter 3 Powerpoint are due on LiveText. Annotated Bibliography is due (10 sources/ APA format) on LiveText. Research idea due on Discussion Board.
February 15th - Chapter 6 – Writing the Research Proposal (no Powerpoint on this Chapter)
February 22nd - Chapter 7 – Qualitative Research
February 29th - Chapter 2 and 3 of research proposal due on LiveText
March 12th & 13th - Test on Chapters 1-6 (The test on Chapters 1-6 will be given on campus in the Distance Learning Computer Lab – Stevens Hall – 1st floor) Students must make an appointment for an exam time/date with Distance Learning.)
March 14th - Ch. 8 – Historical Research
March 21st – Ch. 9 – Descriptive Research
April 4th - Ch. 10 – Experimental and Ex Post Facto Designs/ grant ideas due on discussion board
April 11th - Ch. 11
April 18th - Ch. 12 – Technical Details: Style, Format, and Organization of the Research Report/ Final draft of the Research Proposal is due
April 25th - Discussion of grants on-line/ final grant proposal is due on LiveText
Monday, Tuesday, Wednesday, & Friday - April 30, May 1, 2, & 4 – Final Exam – Chapters 7-12 (The Final Exam will be given on campus in the Distance Learning Computer Lab – Stevens Hall – 1st floor). Students must make an appointment for an exam time with Distance Learning.)

*This is a tentative schedule. All changes in the schedule will be posted on the Angel course page. Please refer to your Angel calendar for updates.

Note: All students will be responsible for checking their university e-mail account on a regular basis. Students who do not have a functional university e-mail account should have the problems corrected as soon as possible.

UNA Attendance Policy:
Regular and punctual attendance at all scheduled classes and activities is expected of all students and is regarded as integral to course credit. Each student is directly responsible to the individual professor for absences and for making up work missed. Other absence policies stated in the official UNA Attendance Policy will be adhered to.

UNA Policy for Students with Disabilities:
In accordance with the Americans with Disabilities Act (ADA), the University offers accommodations to students with documented learning, physical and or psychological disabilities. It is the responsibility of the student to contact Developmental Services prior to the beginning of the semester to initiate the accommodation process and to notify instructors within the first three class meetings to develop an accommodation plan. Course requirements will not be waived but, if possible, reasonable accommodations will be made to allow each student to meet course requirements. Students needing assistance should contact developmental services.
**Reminders:**

1. All students are held responsible for active, supportive, and respectful participation during class sessions and contact time with students, teachers, parents, and other professionals and community members.
2. Demonstrate professionalism, which is defined as the conduct of qualities that characterize a profession and a professional person. Your actions, appearance, quality of work, and attitude should reflect a high level of professionalism.
3. Keep copies of all your work on disk. Should any problems occur, you may be asked to provide a copy of the assignment. All work, unless otherwise stated, is to be completed independently and not taken from any other source, such as the Internet, textbooks, or other educators.

**This page should be mailed to Dr. Brown – University of North Alabama, UNA Box 5129, Florence, Alabama 35632-0001 or brought to her office, Stevens Hall 503 within the first two weeks of class.**

**Syllabus:**

I have received a copy of the syllabus for ED 601. I have read the syllabus and have been offered an opportunity to ask questions about it. I understand and agree to the requirements in the syllabus.

**Signature**

**Date**

________________________________________________________

**Personal Information**

**Name** ____________________________________________

**Address** ___________________________________________

**Phone #** ___________________________________________

**E-mail address** _____________________________________

**Major** ____________________________________________