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1. **Course Number:** CTCT 7780/7786
 Course Title: Research in Career and Technical Education
 Credit Hours: 3 semester hours (Lecture 3)
 Prerequisites: Departmental approval
 Corequisite: None

2. **Date Syllabus Prepared:** 2015

3. **Texts:**

Statistic for People Who Think They Hate Stat + Spss v 22.0

ISBN: 9781483375823

Author: Salkind

Publisher: Sage

Edition: 5

Applying Educational Research : How to Read, Do, and Use Research to Solve Problems of Practice

ISBN: 9780133831573

Author: Gall, Joyce P.

Publisher: Pearson Education

Edition: 7

HIGHLY RECOMMENDED:

American Psychological Association. (2009). *Publication manual of the american psychological association* (6th ed). Washington, DC: American Psychological Association.

Sabin, W. (2005). *The gregg reference manual*. (10th ed). NewYork, NY: McGraw-Hill Irwin. <http://www.mhhe.com/business/buscom/gregg/>

RESOURCES:

APA Guidelines - <http://owl.english.purdue.edu/owl/resource/560/01/>

Auburn University Library

<http://www.lib.auburn.edu/subjectguides/Education>
<http://scholar.google.com/>

NRCCTE - National Research for Career and Technical Education -
<http://www.nrccte.org/>

IRB Training
<https://cws.auburn.edu/OVPR/pm/compliance/irb/home>

Theories in Career and Technical Education
<http://theoriesincareertech.wikispaces.com/>
http://istheory.byu.edu/wiki/Main_Page

4. Course Description:

Review, analysis, and application of research procedures and data analysis in career and technical education.

5. Course Objectives:

Upon completion of this course, students will be able to:

1. Critique research in areas of specialization.
2. Use the tools and procedures of research to aid in decision making.
3. Develop research problems and research questions.
4. Develop a review of literature for a research proposal.
5. Plan a research design for a research project.
6. Complete CITI Training.
7. Interpret research data.
8. Write and present a research proposal.
9. Define and identify plagiarism

6. Course Content:

- Course Introduction
 - Conducting the Review of Literature
 - Writing the Introduction to a Research Proposal
 - Writing the Review of Literature
 - Writing the Procedures Chapter
 - Instrumentation and Data Collection
 - Data Interpretation
 - Writing the findings, conclusions, and recommendations
 - Research articles
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The above course outline is a very general idea of how the content will be covered. The amount of time we spend on each topic will depend on the needs of the class. Assignments will be given weekly and due by midnight each Sunday.

7. **Course Requirements and Evaluation:**

- A. Propose (NOT conduct) an original research study. The topic of the proposal should be directly relevant to Career and Technical Education. This APA-formatted proposal should be a minimum of 15 pages and include an abstract, introduction/background, research questions, theoretical framework, problem statement, purpose statement, review of the literature, and data gathering and analytical tools and methods.
- B. Conduct a survey of the literature using online databases
- C. Complete CITI training
- D. Complete Plagiarism tutorial
- E. Complete all exercises on data analysis and interpretation.
- F. Complete all assignments and quizzes
- G. Participate in all discussions.
- H. Write and present a research proposal.

The final grade for the course will be based on the following:

Research Proposal	60%
Chapters 1, 2, 3	
Survey Instrument	
Presentation	
Class Assignments	35%
Statistic exercises	
Other assignments	
Discussion Board	<u>5%</u>
Total	100%

Points will be deducted for late assignments. Assignments more than 3 days late will not be accepted.

Incompletes are given **ONLY** in extreme well documented circumstances.

The instructor reserves the right to make adjustments to this syllabus as needed.

The following grading scale will be used:

90 - 100% = A
80 - 89.9% = B
70 - 79.9% = C
60 - 69.9% = D
Below 60% = F

8. Class Policy Statements:

Participation: Students are expected to participate in all class discussions and participate in all exercises. It is the student's responsibility to contact the instructor if assignment deadlines are not met. Students are responsible for initiating arrangements for missed work.

Accommodations: Students who need accommodations are asked to electronically submit their approved accommodations through AU Access and to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. If you have not established accommodations through the Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1228 Haley Center, 844-2096 (V/TT)."

Honesty Code: See the Student Policy eBook - http://www.auburn.edu/student_info/student_policies/
All policies and guidelines apply to this class.

Professionalism: As faculty, staff, and students interact in professional settings, they are expected to demonstrate professional behaviors as defined in the College's conceptual framework. These professional commitments or dispositions are listed below:

- Engage in responsible and ethical professional practices
- Contribute to collaborative learning communities
- Demonstrate a commitment to diversity
- Model and nurture intellectual vitality

9. Justification for Graduate Credit:

CTCT 7780/7786 (Research in Career and Technical Education) orients students to basic research procedures for research projects. Students will analyze research problems, synthesize research studies, and develop a proposal for a research study in their field of expertise in career and technical and adult education.
