

# HDCN 6391

## Behavioral Science

### Jan Term 2012

**Dr. Curt McIntyre**

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Office: Building 3, Second Floor, Suite 214 (Cindy's Office)

Office Hours: By Appointment

#### **Course Description:**

This course has three goals: to give you a basic knowledge of research design and statistics; to prepare you for HDCN 6349-Research Design; and, to help you become a more discerning consumer of research. Your ability to evaluate research will be crucial to your future adoption of counseling techniques and your subsequent career development.

#### **Text:**

Salkind, N. Exploring Research, 8<sup>th</sup> Edition/ Paperback, Pearson.

#### **Exams:**

Two exams worth 200 points each will be given for a total of 400 possible points.

#### **Grading Scale:**

376-400 = A

360-375 = A-

348-359 = B+

332-347 = B

320-331 = B-

270- 319 = C

Below 270 = F

#### **Class Scheduling Note:**

The Thanksgiving Holiday will require us to schedule a make up date during the Jan Term.

Learning Objective	Measurable Outcome
Students will learn to distinguish research from other sources of information (theory, opinion, or anecdote).	Students will synthesize the content presented in lecture and be asked to generate their own criteria for analytic and critical research evaluations
Students will be able to evaluate critically the quality and importance of a research report as well as its statistical analyses.	Students will demonstrate understanding of key principles of research design and statistical analyses by examination and application to select research reports.
Students will learn how research can benefit them in their counseling practice and career.	Students will demonstrate their understanding of how research can help them in the development of their professional skills by discussion and examination.

**Tentative Schedule:**

CLASS	TOPIC	SALKIND CHAPTER ASSIGNMENTS
One	Frequency Distribution, Central Tendency, Spread/Variability, Z-scores, Normal Distribution,	<b>Salkind Chapters 1-3b, 7</b>
Two	Central Limit Theory, Hypothesis Testing, t-test (Between Ss),	<b>Salkind Chapters 4, 6, 8</b>
Three	ANOVA (Between Ss), Factorial ANOVA (Between Ss),	<b>Salkind Chapters 8 (again), 11</b>
Four	Interactions	
Five	EXAM 1	
Six	t-test (Within Ss), ANOVA (Within Ss)	
Seven	Factorial ANOVA (Within Ss), Mixed Design ANOVAs	
Eight	Chi Square, 2-way Chi Square, Spearman Correlation,	<b>Salkind Chapters 10, 12</b>

Nine Pearson Correlation, Regression, Factor Analyses,  
**Salkind Chapters 5, 9**

Ten EXAM 2 **Before taking our required Research Design and Statistics course, please read Salkind Chapters 13-14. Typically, this course requires the preparation of a research proposal.**

**Tentative Schedule for Research Design Lectures And Readings in the Salkind Text:**

You will be asked to read the related chapters in the Salkind text as we progress through the Quarter. Typically, lectures on Research Design will be coordinated with the statistical presentations and labs. This will help vary the class format. Our lectures on Research Design will begin during our first class so please read all Salkind Chapter assignments before each class.

**Class Policies:**

**Statement on Attendance:**

- Instructors should be given 24 hours' notice of any absence whenever possible
- If a student must miss one class, it is the student's responsibility to contact a classmate to get all material and assignments covered during their absence.
- A student's final grade will be impacted if two absences occur.
- A student missing more than two classes may, at the instructor's discretion:
  - receive a grade of Incomplete if the requirements to do so have been met (see the policy on Grades of Incomplete contained in this syllabus)
  - receive a failing grade for the course
  - drop or withdraw from the course. (This option may have a financial and/or financial aid impact. Student should refer to the Add/Drop Policy and the Withdrawal Policy for the Counseling program which can be found at <http://smu.edu/education/counseling/AcademicCalendar2011-12.asp> then consult with the Program Specialist if they believe this option is a possibility.)

**Questions Outside of Class:** Questions are welcome anytime by email. Office appointments are encouraged.

**Religious Observance:** Religiously observant students wishing to be absent on holidays that require missing class should notify their professor in writing at the beginning of the term, and should discuss with me, in advance, acceptable ways of making up any work missed because of the absence.

**Disability Accommodations:** Students needing academic accommodations for a disability must first contact Disability Accommodations & Success Strategies (DASS) at 214-768-1470 or [www.smu.edu/alec/dass.asp](http://www.smu.edu/alec/dass.asp) to verify the disability and to establish eligibility for accommodations. They should then schedule an appointment with the professor to make appropriate arrangements. (See University Policy No. 2.4; an attachment describes the DASS procedures and relocated office.)

**Class Decorum:** Turn off (or set on vibrate) all cell phones or pagers. Do not read newspapers, books for other classes, or other outside reading material during class. Walking into class late is disruptive as is leaving early. If you have to leave early, make arrangements before class begins, sit in front near the door, and then, when you leave, leave quietly. Professional respect and courtesy for your fellow students is imperative at all times. Laptop use must be confined to coursework or notes.

**Honor Code:** Students are reminded of the SMU Honor Code as referenced in the Student Handbook. Intellectual integrity and academic honesty are both the foundations and the goals for this program. Please reference and review the university policies on the responsibilities, policies, and penalties regarding academic honesty. For a full text of the policy, which you should know, please see the following web link:

[http://www.smu.edu/studentlife/PCL\\_05\\_HC.asp](http://www.smu.edu/studentlife/PCL_05_HC.asp)

**Course Withdrawal:** Students must consult with the instructor before withdrawing from the course. **Notifying the instructor does not constitute official withdrawal.** To withdraw officially, the student must contact the Counseling Program Office to complete the necessary paperwork.

**FOOD:** You are welcome to bring your own lunches, snacks, and drinks and consume as needed. Please clean your area when class is over.

**Class Attendance:** Regular and punctual attendance is required. Missed classes will affect your grade and may result in an incomplete, unless excused by the instructor.