

**The University of Texas at El Paso**  
**School of Nursing**  
**NURS 3314 Nursing Research and Statistics (Online)**  
**Spring 2017**

**COURSE DESCRIPTION/COURSE OVERVIEW:** This course is designed to enhance students' knowledge and skills needed to read and evaluate published research in nursing and related disciplines for use in practice. Ethical considerations and responsibility for assuring the protection of rights of human subjects in research will be included. Students will identify statistics that are appropriate for a selected study and provide rationale. They will also interpret minimal basic statistical findings from selected research articles as well as identify the relation of research to nursing.

**COURSE PRE-REQUISITES:** Undergraduate Nursing Major, 5<sup>th</sup> semester

**CREDIT ALLOCATION:** 3 (3-0)

**FACULTY INFORMATION**

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**Office hours:** Tuesdays and Thursdays 1200 to 1500 and anytime by email and by appointment

**REQUIRED TEXTBOOKS:**

Grove, S.K., Gray, J.R., & Burns, N. (2015). *Understanding nursing research: Building an evidence-based practice (6<sup>th</sup> ed.)*. Elsevier: Philadelphia. ISBN: 978-1-4557-7060-1.

American Psychological Association. (2010). *Publication Manual of the American Psychological Association (6<sup>th</sup> ed.)*. Washington DC. ISBN: 978-1-4338-0561-5.

**Electronic Resources:**

Electronic reserve for library: <http://libraryweb.utep.edu>

APA website: <http://www.apastyle.org/>

Evolve Student resources for textbook: <http://evolve.elsevier.com/Grove/understanding>

**COURSE OBJECTIVES:**

**Course Objectives:** Upon completion of this course, the learner should be able to:

1. Relate research to theory and practice;
2. Discuss the importance of evidence based practice and outcomes research in nursing;
3. Identify the steps in the research process;
4. Describe the need for consistency among the parts of research study;
5. Identify criteria for selection of data collection instruments (psychosocial and physiological);
6. Discuss the relationship between levels of measurement and selection of statistical procedures;
7. Provide rationale for selection of statistics for selected studies;
8. Interpret basic statistical findings from selected studies; and
9. Discuss protection of rights of human subjects in research.

**Topical Outline:**

1. Research as a tool to provide evidence about effects of nursing interventions
2. Links between theory, research, and practice
3. Steps in the research process and linkages between steps
4. Research methods used in intervention and outcomes research
5. Measurement: levels of measurement & how these are used in selecting statistics
6. Types of data collection instruments and level of data they provide
7. Reliability and validity of instruments
8. Considering rights of human subjects in design and implementation
9. Basic statistical theory (normality, levels of significance, p values)
10. Selecting statistics for a study (matching statistics to purpose of study, research methods, sample characteristics, measurement tools, etc.)
11. Descriptive statistics: frequencies, percentages, standard deviations, range
12. Statistics to examine relationships between variables (Pearson product moment correlations, simple regression, r values, multiple regression)
13. Statistics to identify group differences (Chi square, t-test, ANOVA, ANCOVA)

**TEACHING METHODOLOGIES: Please see Blackboard for calendar and assignments**

Posted lecture notes, online assignments and interactive modules, discussions, quizzes, critical appraisals, and individual/group assignments, weekly individual in virtual classroom.

**GRADING POLICY AND STRUCTURE:**

Students must pass this course at a minimum of 75%. Per the School of Nursing policy, achieving less than 75% for the course results in a course failure. **There is no rounding of grades and fractional points will be dropped. There are no extra credit assignments.**

**GRADING BREAKDOWN:**

Quiz Average	25%
Discussion Board (4)	40%
Critical Appraisal	15%
EBP Paper	15%
<u>NIH Certificate</u>	<u>5%</u>
	100%

**GRADING SCALE:**

90-100	= A
80-89	= B
75-79	= C
60-74	= D
<60	= F

**\*\*NOTE: \*\***

- *Assignments submitted after the assigned due date will be penalized ten points per day, including weekends and/or holidays, after 3 late days – a zero will be given for the assignment.*
- *The quizzes will not be reopened after the due date for any reason. **There will be no make-up quizzes.** Missed quizzes will equal a zero.*

**Expectations of the Class**

*What should you expect from me as the Faculty?*

- I will provide you clear instructions on class expectations.
- I will check my email at least once a day and will get back to you within 24 hours.
- I will provide graded feedback on your performance within 7 days of the due date.
- I will keep you informed about your graded progress in the class at all times and will make time to discuss your needs.
- I will leave myself open to suggestions about improvement of the class and class related activities.
- I will do all I can to ensure your learning and success in this class.
- If any changes in the course are to be implemented, I will ensure that the class is notified via announcements in a timely manner.

### **Course Schedule Changes**

As course instructor, I reserve the right to adjust the course syllabus or change assignments as needed. I will be sure to give you plenty of notice prior to any changes. Remember that the class schedule is a living document and can change.

### **Class Participation**

I strongly recommend that you log-in and check the course every other day to keep up. You will have assignments due every week. Email messages are sent to your Blackboard course email, so you will want to check the course and email daily.

### **Being Successful in an Online Class**

Online learning is not a spectator sport. It is everyone's responsibility to participate as fully as they can so everyone can get the most from the experience. Here are some simple rules to follow to ensure your participation and engagement in the learning process:

- **Ask questions:** If you don't know the answer, someone else will. The discussion board is the area for asking questions related to content OR any problems (related to the class) you are having. Make sure that you have clearly indicated the subject of your message.
- **Reach out to others:** Offer a fact, article, link, or other item that can help others learn something you can share.
- **Be appropriate:** The online classroom is not the place for insulting or insensitive comments, attacks, or venting. Inappropriate behavior can be subject to disciplinary action, as well.
- **Be diplomatic:** When sending messages on emotionally charged topics, I recommend that you write the message and then walk away for at least an hour before re-reading the message and then sending it. Re-reading emotionally charged messages ensures that they are constructive instead of destructive. Think of the person at the other end.
- **Stay focused:** Stay on topic to increase the efficiency of your learning.

### **Effective Electronic Communication Guidelines**

Keep your messages concise and clearly written. Most ideas can be stated in a couple of paragraphs, although sometimes a longer message may be needed to develop your thoughts adequately. Keep in mind that people are more apt to read and digest shorter messages than long ones.

- Be respectful of other's ideas, opinions, and beliefs. It's fine to disagree with someone, but please respect his or her right to think differently.
- Avoid posting simple two or three word statements such as "I agree" or "Good point". If you think someone has made an especially strong point and you want to say so, and then explain why by adding a few sentences describing your response or adding to the original point.

### **Time Management**

The rule of thumb for time planning for a course is approximately three (3) hours for every credit hour taken. This is a standard figure recommended across the board by American universities.

## **COURSE POLICIES:**

Review **Academic Regulations in UT El Paso Undergraduate Studies Catalog** and the School of Nursing Undergraduate Nursing Student Handbook.

### **Blackboard Access**

- Students are required to **subscribe to and access the course Blackboard site**. This site is the main source of communication between faculty and students. Students are encouraged to access this site on a **daily** basis. The course syllabus, calendar, and topical outline of scheduled lectures with objectives and assigned readings, and assignment criteria are posted on this site. Discussion board grades and final course grades will be made available **ONLY** through this site.

### **Communication**

- Communication is the responsibility of both students and faculty. Faculty will keep students informed of progress and students will inform faculty of any deterrent to their success.

### **Professional Behavior**

- Students are expected to behave professionally **at all times** with faculty and peers in any setting in which the student is a representative of UTEP. Bullying, verbal abuse, insubordination, or personal attacks will not be tolerated in any form. Any behavior deemed inappropriate by faculty will result in faculty conference(s), and completion of a SOS plan that addresses the student's areas of needed improvement. Possible activities available to assist the student in attaining the SOS objectives include stress and/or anger management counseling sessions. Any behavior that is disruptive to the class may result in removal from the class and/or an administrative withdrawal from the course and/or dismissal from the program.

### **Students Opting for Success (SOS)**

- When a student is not progressing in the course as expected or is not successful on an examination, they will be required to meet with the instructor to discuss strategies for success as outlined on the SOS form (see attached). The Students Opting for Success Plan form will identify recommendations for improving the student's success potential and will specify time lines for completion of these recommendations. The SOS form (with all recommendations completed and all signatures in place) must be submitted to course manager at due date. ***Students who are not successful in the course should be aware that non-compliance with SOS recommendations jeopardizes eligibility for the opportunity to repeat the course in the subsequent semester.***

### **Policy on Scholastic Dishonesty**

- Students are expected to be above reproach in all scholastic activities. Students who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the School of Nursing and/or university. "Scholastic dishonesty includes but is not limited to reproducing test materials from memory, copy/paste or xerox, cheating, plagiarism, collusion (please note

that collusion includes collaborating on quizzes and exams such as taking exams in a group), the submission for credit or any work or materials that are attributable in whole or in part to another person, taking an examination for another person, and any act designed to give unfair advantage to a student or the attempt to commit such acts." Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22.

- Academic dishonesty is an assault upon the basic integrity and meaning of a University. Cheating, plagiarism, and collusion in dishonest activities are serious acts which erode the University's educational and research roles and cheapen the learning experience not only for the perpetrators, but also for the entire community. It is expected that UTEP students will understand and subscribe to the ideal of academic integrity and that they will be willing to bear individual responsibility for their work. Materials (written or otherwise) submitted to fulfill academic requirements must represent a student's own efforts. **Online quizzes must be completed individually by the student.** Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. Violations will be referred to the Dean of Students Office for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions.

#### **Policy relating to Disability / Pregnancy:**

- **Disability:** Nursing is a physically and mentally challenging profession. Nurses are required to think critically and quickly in order to respond to patient care needs. Nurses are also expected to be able to assist patients in transfer, ambulation and in activities of daily living. In order to do this, nurses must be able to lift, bend and be on their feet for extended periods of time. Nursing students are expected to be able to perform these functions. It is therefore the responsibility of the student to inform the course manager of any limitations they may have in completing course expectations. Nursing students with limitations in any of the above abilities are advised to discuss these matters with The Center for Accommodations and Support Services (CASS) to determine if reasonable accommodations could be provided. Written guidelines r/t accommodations from CASS must be submitted to the course manager PRIOR to the start of the course. If you have a disability and need classroom accommodations, please contact CASS at 747-5148, or by email to [cass@utep.edu](mailto:cass@utep.edu), or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at [www.sa.utep.edu/cass](http://www.sa.utep.edu/cass).
- **Pregnancy:** It is the responsibility of the student to inform the instructor of pregnancy limitations. Written guidelines r/t accommodations from The Center for Accommodations and Support Services (CASS) must be submitted to the course manager PRIOR to the start of the course.

#### **Grievances:**

- A student may challenge his/ her grade as determined by a member of the faculty of the University during or within one year after the end of any credit course, qualifying or comprehensive examination, for which the student has been enrolled. A challenge to a grade may be pursued **only on the basis of: malice, bias, arbitrary or capricious grade determination, or impermissible discrimination.** In no event shall a challenge be pursued only on the basis of the standards employed in setting grades, so long as those standards are employed impartially.

Students must attempt to resolve issues relating to grades through the following channels:

- First*, with the Course Manger who issued the grade;
- Second*, with the Assistant Dean for Undergraduate Education;
- Third*, with the Dean of Nursing

Formal grievances **MUST** be in **WRITING** and filed through the faculty member, the SON Assistant Dean for Undergraduate Education and the Dean of the SON. Having failed to resolve the matter after consultation with the above persons, the student may consult with and/or file a challenge with the Chairperson of the University Student Welfare and Grievance Committee.

**Other didactic policies relating to:**

- Quiz policy: Quizzes must be taken prior to the due date and will not be available after the due date. Each quiz will have two attempts with the average of both scores as the final grade. Once all quizzes are completed, feedback on the questions will be released. It is strongly recommended that students avoid waiting until the last minute to complete the online quiz to minimize potential technology issues. Quizzes will not be reopened for any reason past the due date.
- Students opting to participate in the NEWS study will have the option to complete an alternate assignment instead of the EBP paper. Participation will not influence class standing or grades. Participation for the NEWS study is optional and the student may choose to complete the original EBP paper at any point. The effort and time allocation for the EBP assignment and participation in the study are comparable.
- See course calendar for all due dates and further assignment instructions.

**STUDENT RESOURCES:**

***UTEP Technology Support Center:*** The Technology Support Center (TSC) offers UTEP students access to state of the art computing equipment and specialized software for academic needs. The TSC is also home to the PC Clinic, which offers computer software repair services to students at no cost. The center is located in the library, room 300 (747-5257).

***University Counseling Center:*** The UTEP University Counseling Center located at 202 Union West can assist you to decide on a career or work through personal concerns. They provide confidential counseling services, assist with stress management, and offer an after-hours crisis support line (747-5302).

***UTEP Library:*** Access to a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.

***University Writing Center (UWC):*** Assistance available with writing style and formatting, ask a tutor for help and various other writing resources available.

**University of Texas at El Paso  
Students Opting for Success (SOS) form**

**Name:** \_\_\_\_\_ **ID:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Course:** \_\_\_\_\_ **Faculty:** \_\_\_\_\_

Remediation/Counseling initiated by: \_\_\_\_\_ for \_\_\_didactic \_\_\_lab \_\_\_clinical

Faculty description of identified need:
Student description of identified need:

**Student Profile:**

**A. Schedule an appointment with \_\_\_\_\_ on or before \_\_\_\_\_ .  
Course Manager/Instructor Date**

**B. Prior to the appointment with the Course Manager/Instructor, please respond to the following questions:**

**1. Are you currently employed? [ ] Yes [ ] No If so, how many hours per week?**  
\_\_\_\_\_

**2. Are you currently in a study group? [ ] Yes [ ] No If so, how many hours per week?\_\_\_\_\_**

**3. How many hours per week do you study by yourself? \_\_\_\_\_**

**4. Describe how you prepared for \_\_\_\_\_ (area of difficulty):**

**5. What adjustments do you think you need in order to be successful in this course?**

**Didactic remediation activities:**

REQ	REC	Activity	Due Date
		Attend _____ Academic Coaching sessions for course _____	
		Attend exam reviews	
		Attend study sessions/Join a study group	
		Complete _____ online/ATI tutorials	
		Complete Academic Coaching Videos/Tutorials	
		Attend test taking strategies at UTEP Testing Center	
		Referral to the Center for Academic Support Services	
		Referral to the UTEP Student Counseling Center	
		Attend all lectures	
		Referral to the Student Success Coordinator	
		Other:	

**Simulation/Skills Remediation Activities:**

REQ	REC	Activity	Due Date
		Complete _____ hours of open lab to remediate on _____ skills	
		Attend Academic Coaching for dosage calculation remediation	
		Complete ATI tutorials on Critical Thinking strategies	
		Complete ATI tutorials on Prioritization	
		Complete ATI tutorials on communication	
		Other:	

**Clinical Site Remediation/Counseling Activities:**

REQ	Sent Home	Clinical Failure	Activity	Date of Occurrence
			Counseled on Tardiness: Student was _____(min/hrs) late to clinical _____(date)	
			Counseled on Absenteeism. Required to attend open lab, make up clinical, or clinical failure.	
			Counseled for lack of clinical preparation. Student to come to Clinical with all assigned paperwork, effective _____	
			Counseled for unsafe clinical practice (specify):	
			Counseled for noncompliance with dress code (specify):  Student to uphold dress code.	
			Counseled for violating client confidentiality (HIPAA) (specify).	
			Counseled for not communicating honestly with faculty/staff (specify).	
			Counseled for not following faculty instructions (specify):	
			Other:	

Faculty Comments	Student Comments

**Signature/Date:**

\_\_\_\_\_

**Signature/Date:**

\_\_\_\_\_

**Signature/Date:**

\_\_\_\_\_