



NURS 4342; Nursing Research; Section. 01B COURSE SYLLABUS: Spring, 2018

COURSE FACULTY:

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Texas A & M University-Commerce

Preferred Form of Communication: E Mail

Communication Response Time: Two Business Days only during business hours (0800-1700)

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:

LoBiondo-Wood, G. & Haber, J (2014). *Nursing research: Methods and critical appraisal for evidence-based practice*. (8th ed.). St. Louis, MO: Mosby/Elsevier. (ISBN: 978-0-323-10086-1)

Course Description

This course is a study of theory and research as a base for nursing practice. Published research studies are critically analyzed with regard to implications for clinical practice. The course is planned for collaborative peer examination of the research process through critique of nursing studies.

Prerequisites: NURS 3630, NURS 3531 or consent of instructor

Student Learning Outcomes

- 1. Understands the need to base nursing practice on theory and creditable research findings and describes the interrelationships among theory, practice and research.**
 - a. Describes the scientific basis of a practice discipline.
 - b. Explains the relationship between nursing theory development and nursing research.
 - c. Identifies clinical nursing problems that need scientific investigation.
 - d. States usual barriers to the use of theory and research findings to improve clinical practice.
 - e. Analyzes the ethical, legal, political, and economic dimensions of research studies and various ways of knowing.
- 2. Demonstrates and analyzes the steps of the research process and models for applying evidence to clinical practice.**
 - a. Identifies the steps of the research process in selected research reports.
 - b. Identifies the decision points and options considered by the investigator as the research process is implemented.
 - c. Distinguishes among different research designs and identifies the purposes, strengths, and weaknesses of each.
 - d. Utilizes electronic communication to search data bases and disseminate findings.
 - e. Analyzes basic characteristics of data collection methods.
 - f. Evaluates data quality in quantitative and qualitative reports.
- 3. Judges the value of selected nursing research studies and their application to clinical practice.**

- a. Describes selected research studies.
- b. Systematically critiques the research process in each study.
- c. Utilizes critical thinking to summarize the strengths and weaknesses of selected studies.
- d. Relates each study to its theoretical base and to clinical practice.
- e. States and defends a decision regarding utilization of the findings in clinical practice following a systematic critique.
- f. Communicates research findings clearly, concisely, and in a cogent manner via written and verbal communication.
- g. Evaluates the protection of human subjects in the studies according to the NIH Human Subjects Policies and Guidelines.
- h. Discusses the need to advocate for the protection of human subjects in the conduct of research.
- 4. Integrates adult learning principles and processes into the learning experience.**
 - a. Accepts responsibility for prior class preparation and active participation in each class meeting.
 - b. Evaluates own progress toward achievement of long term goals within the nursing profession.
 - c. Participates in the creation of a positive learning environment. Incorporates selected elements of own practice throughout the learning experience.

COURSE REQUIREMENTS

Instructional / Methods / Activities Assessments

This is a blended course requiring students to complete classroom and online activities as well as independent study to be successful. Course objectives may be met through individual study using suggested resources, active involvement in classroom activities, formal, and informal exchange of ideas with classmates and colleagues regarding specific topics as well as utilizing critical thinking skills. Additional teaching methods will include: In-class activities, written assignments, minimal lecture, discussion, world-wide-web-resources, web-based discussions, email interactions, required readings, online quizzes/examinations, and library/internet searches.

GRADING

The course grade will be determined by:

Quantitative Research Article Critical Appraisal (Individual)	20%
Qualitative Research Article Critical Appraisal (Individual)	20%
One PICOT question based on a clinical situation (Individual)	10%
EBP Project and Presentation (Group)	20%
Paper based on EBP project and chosen (Group)	20%
Abstract based on EBP lit review and EBP project (Group)	10%

Grading Scale

A = 90-100

B = 80-89

C = 75-79

D = 60-74

F = 59 and below

A minimum grade of 75 is required to pass the course.

1. Research Critical Appraisal Assignment (Individual) (20% each/40% total)

You will select a quantitative and a qualitative nursing research article from a peer reviewed journal. Each study's main components should be summarized. A critical appraisal also contains comments about the positive and negative aspects of the study and the report of the study. The critical appraisal should be written as concisely as possible, typewritten, double-spaced, and no more than 6 pages excluding title and reference pages. The paper should address all parts of the report equally, with strengths and weaknesses outlined where appropriate. Where possible, include suggestions for improvement. Papers must follow correct APA format for in-text citations and references and should include an introduction and a conclusion. The critical appraisals must be submitted electronically before the assigned due date and time. An electronic copy of the article discussed must be submitted with the assignment. At least one of the first three lead authors on each article must be a nurse, the article must be from a refereed

nursing journal and must be recent (within last 5 years). It should also be research based in the USA.

Quantitative Critical Appraisal (20%) due in Dropbox at 23:59 on Friday, March 9, 2018 (Individual)

Qualitative Critical Appraisal (20%) due in Dropbox at 23:59 on Friday, April 13, 2018 (Individual)

(See posted grading rubric and criteria)

2. PICOT question with Clinical Situation(Individual) (10%)

One appropriately formatted PICOT question will be submitted for review. Be sure you include all components of PICOT questions. The PICOT should be based on a clinical situation that you have encountered. **PICOT Question with Clinical Situation due to Dropbox at 23:59 on Friday, February 9, 2018 (See posted grading rubric and criteria)**

3. Abstract (10%) (Group)

An abstract of the work based on the retrieval of evidence for the EBP project must be submitted in appropriate APA abstract format. Faculty feedback from this abstract will assist you in being on track for your project.

Abstract in APA format due to Dropbox at 23:59 on Friday, March 30, 2018 (See posted grading rubric and criteria)

4. Paper based on EBP project (20%) (Group)

Your research group will decide on a PICOT/clinical situation that you will research for your group paper and your evidence based project. That question must be submitted for group approval to Dr. McKenzie by the date specified.

You need to retrieve at least 5 nursing research, peer reviewed publications that support the project. A paper, 3-5 pages, will then be written that reveals a clinical decision made about each article. The critical appraisal, including the hierarchy of evidence model must be used to support the strength of evidence for your intervention. One of the goals is to be able to differentiate research from other types of publications, with a focus on recent (within last 5 years) nursing research. The other goal is to critically appraise the research you have found and indicate where it fits in the level of hierarchy and how you will use it (fully utilize, nice to know, or discard the clinical evidence) with respect to patients with the type of clinical situation

you have chosen. At least one article must be qualitative and one must be quantitative. Copies of **5 retrieved** full-text publications are to be submitted with the paper. At least one of the first three lead authors on each article must be a nurse and articles must come from refereed nursing journals. No meta-analyses or comprehensive reviews are permitted. Correct APA format must be utilized. Copy of the full article is required, not just the abstract. No more than two of the articles can be from outside the United States. Assignment must be submitted electronically before the assigned due date and time. The paper should be submitted with the abstract, title page, introduction, conclusion and reference page in APA format.

Group Question with Clinical Situation submitted to Dropbox at 23:59 for Dr McKenzie's approval on February 16, 2018 (Group Project)

Group Paper with attached references submitted to Dropbox at 23:59 on Friday, April 20, 2018 (see posted rubric and criteria) (Group Project)

5. Evidence Based Research Project and Presentation (20%) (Group Project)

This project is to be done in a group to develop an evidence based research project, based on the approved PICOT question. This question should be based on an actual patient situation and a proposed nursing intervention. Utilizing the PICOT question, utilize the evaluation you submitted with the group paper. You will report the evidence that supports the effectiveness or lack of effectiveness of this intervention for this individual patient's needs and preferences in your presentation. The critical appraisal of at least 5 appropriate, nursing research articles from peer reviewed nursing journals should be utilized for this project. The critical appraisal, including the hierarchy of evidence model must be used to support the strength of evidence for your intervention. Based on the evidence, a clinical decision must be made. Students will be assigned to a group at the beginning of the semester for this project and for all group work. The project will be discussed throughout the semester. Presentations will be at the end of the semester, lasting a maximum of 15 minutes for the presentation and will be evaluated according to the presentation grading rubric.

Evidence Based Research Project and Presentation due in class on Tuesday, May 1, 2018 (Group)—Faculty will schedule the order of presentation. Note on the schedule that class will be from 1000-1300 that day in order to have adequate time for presentations. (See posted and grading rubric and criteria)

Group Work

All members of the group will receive the same grade on any group work. However, a student can be removed from his/her team if the other students in the group come to the instructor and report that a student is not doing his/her fair share of the work. If that happens, the instructor will notify the student in writing. The student will then be responsible for doing the assignment on his/her own

Late assignments

Assignments are expected to be submitted by the scheduled times posted in the syllabus and on the course outline. Late assignments will be docked 10%/day up to three days. After the third day of non-submission, the assignment will be given a zero (0).

TECHNOLOGY REQUIREMENTS

- To fully participate in online courses you will need to use a current Flash enabled internet browser. For PC and Mac users the suggested browser is Mozilla Firefox.
- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
 - 512 MB of RAM, 1 GB or more preferred
 - Broadband connection required courses are heavily video intensive
 - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
 - Sound card, which is usually integrated into your desktop or laptop computer
 - Speakers or headphones.
 - *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: [JAVA web site http://www.java.com/en/download/manual.jsp](http://www.java.com/en/download/manual.jsp)
- Current anti-virus software must be installed and kept up to date.
- Run a browser check through the Pearson LearningStudio Technical Requirements website. [Browser Check http://help.ecollege.com/LS_Tech_Req_WebHelp/en-us/#LS_Technical_Requirements.htm#Browse](http://help.ecollege.com/LS_Tech_Req_WebHelp/en-us/#LS_Technical_Requirements.htm#Browse)

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
 - [Adobe Reader](https://get.adobe.com/reader/) <https://get.adobe.com/reader/>
 - [Adobe Flash Player](https://get.adobe.com/flashplayer/) (version 17 or later) <https://get.adobe.com/flashplayer/>
 - [Adobe Shockwave Player](https://get.adobe.com/shockwave/) <https://get.adobe.com/shockwave/>
 - [Apple Quick Time](http://www.apple.com/quicktime/download/) <http://www.apple.com/quicktime/download/>
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.
- For additional information about system requirements, please see: [System Requirements for LearningStudio](https://secure.ecollege.com/tamuc/index.learn?action=technical) <https://secure.ecollege.com/tamuc/index.learn?action=technical>

ACCESS AND NAVIGATION

Pearson LearningStudio (eCollege) Access and Log in Information

This course will be facilitated using Pearson LearningStudio, the learning management system used by Texas A&M University-Commerce. To get started with the course, go to [myLeo](#) and from the top menu ribbon select eCollege. Then on the upper left side of the screen click on the My Courses tab. <http://www.tamuc.edu/myleo.aspx>

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: It is strongly recommended you perform a “Browser Test” prior to the start of your course. To launch a browser test login to Pearson LearningStudio, click on the My Courses tab, and then select the Browser Test link under Support Services.

Pearson LearningStudio Student Technical Support

Texas A&M University-Commerce provides students technical support for the use of Pearson LearningStudio.

Technical assistance is available 24/7 (24 hours, 7 days a week).

If you experience LearningStudio (eCollege) technical problems, contact the LearningStudio helpdesk at 1-866-656-5511 (toll free) or visit [Pearson 24/7 Customer Support Site](http://247support.custhelp.com/) <http://247support.custhelp.com/>

The student help desk may be reached in the following ways:

- **Chat Support:** Click on '*Live Support*' on the tool bar within your course to chat with a Pearson LearningStudio Representative.
- **Phone:** 1-866-656-5511 (Toll Free) to speak with Pearson LearningStudio Technical Support Representative.

Accessing Help from within Your Course: Click on the '*Tech Support*' icon on the upper left side of the screen inside the course. Then you will be able to get assistance via online chat or by phone.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

Policy for Reporting Problems with Pearson LearningStudio

Should students encounter Pearson LearningStudio based problems while submitting assignments/discussions/comments/exams, the following procedure must be followed:

1. Students must report the problem to the help desk. You may reach the helpdesk at 1-866-656-5511.
2. Students must file their problem with the helpdesk and obtain a helpdesk ticket number
3. Once a helpdesk ticket number is in your possession, students should email me to advise me of the problem and provide me with the helpdesk ticket number.
4. I will call the helpdesk to confirm your problem and follow up with you

PLEASE NOTE: Your personal computer and internet access problems are not a legitimate excuses for filing a ticket with the Pearson LearningStudio Help Desk. Only

Pearson LearningStudio based problems are legitimate reasons to contact the Help Desk.

You strongly are encouraged to check for your internet browser compatibility **BEFORE** the course begins and take the Pearson LearningStudio tutorial offered for students who may require some extra assistance in navigating the Pearson LearningStudio platform.

myLeo Support

Your myLeo email address is required to send and receive all student correspondence. Please email helpdesk@tamuc.edu or call us at 903-468-6000 with any questions about setting up your myLeo email account. You may also access information at [myLeo](https://leo.tamuc.edu).
<https://leo.tamuc.edu>

Learner Support


The [One Stop Shop](http://www.tamuc.edu/admissions/onestopshop/) was created to serve you by providing as many resources as possible in one location. <http://www.tamuc.edu/admissions/onestopshop/>

The [Academic Success Center](http://www.tamuc.edu/campusLife/campusServices/academicSuccessCenter/) provides academic resources to help you achieve academic success.
<http://www.tamuc.edu/campusLife/campusServices/academicSuccessCenter/>

FREE Mobile APPS

The Courses apps for phones have been adapted to support the tasks students can easily complete on a smaller device. Due to the smaller screen size course content is not presented.

The Courses app is free of charge. The mobile Courses Apps are designed and adapted for different devices.

	App Title:	iPhone – Pearson LearningStudio Courses for iPhone Android – LearningStudio Courses - Phone
	Operating System:	iPhone - OS 6 and above Android – Jelly Bean, Kitkat, and Lollipop OS
	iPhone App URL:	https://itunes.apple.com/us/app/pearson-learningstudio-courses/id977280011?mt=8
	Android App URL:	https://play.google.com/store/apps/details?id=com.pearson.lsphone

Once downloaded, search for Texas A&M University-Commerce, and it should appear on the list. Then you will need to sign into the myLeo Mobile portal.

The Courses App for Android and iPhone contain the following feature set:

- View titles/code/Instructor of all Courses enrolled in online
- View and respond to all discussions in individual Courses

- View Instructor Announcements in individual Courses
- View Graded items, Grades and comments in individual Courses
- Grade to Date
- View Events (assignments) and Calendar in individual Courses
- View Activity Feed for all courses
- View course filters on activities
- View link to Privacy Policy
- Ability to Sign out
- Send Feedback

LearningStudio Notifications

Students can be alerted to course activities via text on their mobile phones or up to two email addresses.

Based on their preferences, students can automatically receive a push notification with every new: course announcement, threaded discussion post, grade, and/or assignment without having to login to the course. Enrolled students will automatically receive email notifications for announcements and can opt out of this feature. To receive text notifications, students must opt in.

To begin setting up notifications, go into your course in LearningStudio and click on the bell-shaped Notifications icon on the main menu ribbon.

By default the student's university email address will appear. This cannot be changed in LearningStudio. Additional email addresses may be added by clicking the Add button. After all of the other selections are completed be sure to click the Save and Finish button.

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement

The instructor's communication response time and feedback on assessments are stated clearly.

UNIVERSITY PROCEDURES/POLICIES

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: [Netiquette](#)

<http://www.albion.com/netiquette/corerules.html>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

ADA Statement

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE CALENDAR
Nurs. 4342 Nursing Research
Spring 2018

Week Monday Dates	Content	Reading Assignments LoBiondo- Wood and Haber	
	Introduction to Course;	Chapter 1	Orientation Class 1/17

1 1/15	What is Nursing Research Evidence Based Practice and its Environment;		1000-1200 Drs. McKenzie, Mahoney, and Tenhunen
2 1/22	Hierarchy of Evidence	Chapter 1	Dr. Tenhunen
3 1/29	Tools for Evidence Based Practice –The Iowa Model	Chapter 19	Class 1/30 1000-1200 Dr. Tenhunen PICOT Question and Case Study Due 2/9 at 2359 in Dropbox
4. 2/5	Systematic Reviews and Meta-analyses	Chapter 11	Dr. Tenhunen
5 2/12	The Research Process Research Problems, Questions and Hypotheses Literature Review Theoretical and Conceptual Frameworks	Chapters 2, 3, 8	Class 2/13 1000-1200 Dr. Tenhunen Group PICOT question due 2/16 at 2359 in Dropbox
6 2/19	Reliability and Validity; Rigor	Chapter 15	Dr. Mahoney
7 2/26	Quantitative Research Designs Sampling Plans	Chapters 9, 10, 12	Note class is 3/1 Thursday from 1000-1200. Dr. Mahoney
8 3/5	Data Collection, Measurement, and Quality; Data Analysis	Chapters 14, 16	Dr.Mahoney Quantitative Critical Appraisal due 3/9 at 2359 in Dropbox
3/12	Spring Break		
9 3/19	Introduction to Qualitative Research and Qualitative Approaches to Research	Chapters 5, 6	Class 3/20 1000-1200 Dr. McKenzie
10 3/27	Ethics in Research	Chapter 13	Dr. McKenzie Abstract Due 3/30 at 2359 in Dropbox
11 4/2	Trustworthiness and Integrity in Qualitative Research; Qualitative Data Analysis	Chapters 7, 17	Class 4/3 10-1200 Dr. McKenzie

<ul style="list-style-type: none"> Tuesday, April 3 or Thursday, April 5 	TAMUC Annual Research Symposium	Science Building	Time TBA, usually 1200-1600
12 4/9	Quality Improvement—the Goal of Clinical Research	Chapter 21	Dr. Mahoney Qualitative Critical Appraisal Due 4/13 @2359 in Dropbox
13 4/16	Developing an Evidence Based Practice Using EBP results in practice	Chapters 19, 20	Class 4/18 1000-1200 Dr. Mahoney Group Paper Due 4/20 at 2359 in Dropbox
14 4/23	Open		
15 4/30	Presentations		Class 5/1 1000-1300 EBP Presentations