New Course Proposal Checklist

Submission Dat	e: November 4, 2021
Department:	Nursing
Course Title:	NUR260 Nursing Research and Informatics
Prepared by:	Carol Velas
Department Ch	air: Carol Velas

X if standards are met	Required Information	Questions/Comments
х	Cover page that includes the department's endorsement	
х	A brief rationale for proposing a new course	
Х	Course description for the catalogue	
х	Prerequisites	
х	Course Credit Units	
NA	Modified catalog requirements showing new course placement in each major track and minor (if appropriate)	
х	Syllabus that follows the guidelines for syllabus preparation	
x	Course Learning Outcomes (CLOs) aligned with the departmental PLOs and listed in a syllabus	
	Frequency of offering: Check the appropriate box:	
	- every semester	
	- once a year (F or S)	
	- once every other year	
	- Mayterm only	
Х	- other (specify) VARIES, FALL AND SPRING	
	Resources application: Check the appropriate box:	
х	 staffing requirements (adjunct) 	
х	- IT resources	
NA	 other resources such as equipment, space, lab resources 	
NA	Attached Letter /Email from Provost if resources are required	
NA	Library resources : Attached Letter/Email from the Library Director or Associate Library Director if resources are required	
NUR260	Requested Course number : Final determination by the Registrar upon consultation with the Department Chair	

Carla Yolos

11-4-21

Department Chair (signature)

Date

WESTMONT



To: Academic Senate From: Department of Nursing-ABSN Program Subject: Proposal for new course Date: November 4, 2021

The Accelerated Bachelor of Science in Nursing program is a new program at Westmont College. This is a second bachelor degree program with an accelerated prelicensure nursing curriculum. The program is 4 semesters of 16 weeks each. Nursing courses include concurrent theory and clinical courses.

New course

NUR260 Nursing Research and Informatics is a 3-unit course placed in the second semester. This is a course in a series of baccalaureate core nursing courses to prepare the nursing student for entry level practice as a nurse generalist.

We are proposing this course so students will have the basic understanding of the importance of research and informatics in providing best practices in patient care. Students will learn the difference between qualitative, quantitative, and mixed methodology and the importance of each method for the inquiry of and advances in patient care. Informatics will be introduced as a necessary technology to track and trend patient outcomes to support changes in practice including prescriptive and predictive analytics that support these changes.

The attached syllabus enumerates the Course Learning Outcomes including mapping to the Program Learning Outcomes.

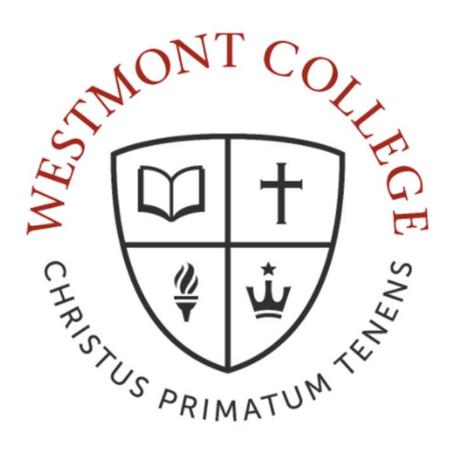
The course will be offered two times per year in varying semesters as the program admits two cohorts of students. Because this is a new course and a new program it will require new staff and IT resources.

This course is part of the required curriculum for the Bachelor of Science in Nursing Program. The placement of this course in the curriculum is permanent in the Second semester.

Westmont catalog course description

The nursing research course explores the basics of qualitative, quantitative, and mixed methodology to explore a variety of research designs and frameworks. Research

problems, purposes and hypothesis will be explained and nursing students will learn how to write a PICOT question. Students will be exposed to statistical methods for data analysis. Nursing is an evidence-based practice and students will learn the importance of nurses conducting nursing research. This course will also integrate the importance of nursing informatics as a way to measure the outcomes of patient care by tracking, trending, and analyzing the data collected through the electronic medical records and other data collection applications.



NUR260 Nursing Research and Informatics

2022

NUR260 Nursing Research and Informatics

3 units of theory Pre-requisites: Acceptance into A-BSN program Placement in curriculum: Prelicensure requirement

Time:TBD Room: TBD

Course Faculty: TBD Faculty office: TBD Faculty email: TBD Faculty phone: TBD Faculty office hours: TBD

I. Important Information

This is a course in a series of prelicensure nursing courses to prepare the nursing student for the safe, patient-centered and family-supported, evidence-based, compassionate care in a variety of healthcare settings. The best way to be prepared for your lecture and clinical experience is to maintain a healthy mental, physical, and spiritual life. Come to class after a good night's sleep, eat nutritious food, and stay current with reading assignments. To help with your success in this course and program, it is not suggested you work more than 20 hours per week if you have to work.

Westmont catalogue course description

The nursing research course explores the basics of qualitative, quantitative, and mixed methodology to explore a variety of research designs and frameworks. Research problems, purposes and hypothesis will be explained and nursing students will learn how to write a PICOT question. Students will be exposed to statistical methods for data analysis. Nursing is an evidence-based practice and students will learn the importance of nurses conducting nursing research. This course will also integrate the importance of nursing informatics as a way to measure the outcomes of patient care by tracking, trending, and analyzing the data collected through the electronic medical records and other data collection applications.

Instructor's further description

As providers of care, you will learn quickly why the practice of nursing is evidencebased and why it is important to have bedside caregivers as nursing researchers. Who better to change practice with evidence than those at the bedside? You will learn how to read a study so you understand the purpose, design, findings, and application to our practice in nursing. You will also explore the importance of the literature review which will continue to be helpful in this program.

ABSN Program Mission

Prepares faithful servant leaders to provide patient-centered and family supported safe, compassionate care for diverse populations and communities across the lifespan and in all health care settings.

AACN Baccalaureate Essentials (2018)

The Commission on Collegiate Nursing Education (CCNE) is an autonomous accrediting agency, contributing to the improvement of the public's health. A specialized/professional accrediting agency, CCNE strives to promote the quality and integrity of baccalaureate and graduate nursing programs. Following are the nine baccalaureate essentials used as the framework for the current curriculum. In 2021 the Essentials were revised and will be integrated into the curriculum over the next three years.

- I Liberal Education for Baccalaureate Generalist Nursing Practice
- II Basic Organizational and Systems Leadership for Quality Care and Patient Safety
- III Scholarship for Evidence-Based Practice
- IV Information Management and Application of Patient Care Technology
- V Healthcare Policy, Finance, and Regulatory Environments
- VI Interprofessional Communication and Collaboration for Improving Patient Health Outcomes
- VII Clinical Prevention and Population Health
- VIII Professionalism and Professional Values
- IX Baccalaureate Generalist Nursing Practice

AACN Essentials (revised 2021)

The Essentials: Core Competencies for Professional Nursing Education provides a framework for preparing individuals as members of the discipline of nursing, reflecting expectations across the trajectory of nursing education and applied experience. The *Essentials* introduce 10 domains that represent the essence of professional nursing practice and the expected competencies for each domain. The competencies accompanying each domain are designed to be applicable across four spheres of care (disease prevention/promotion of health and wellbeing, chronic disease care, regenerative or restorative care, and hospice/palliative/supportive care), across the lifespan, and with diverse patient populations.

Domains for Nursing

Domains are broad distinguishable areas of competence that, when considered in the aggregate, constitute a descriptive framework for the practice of nursing.

The Ten Domains:

Domain 1-Knowledge for Nursing Practice Domain 2-Person-centered Care Domain 3-Population Health Domain 4-Scholarship for Nursing Practice Domain 5-Quality and Safety Domain 6-Interprofessional Partnerships Domain 7-Systems-based Practice Domain 8-Information and Healthcare Technology Domain 9-Professionalism Domain 10-Personal, Professionals, Leadership Development (The Essentials: Core Competencies for Professional Nursing Education, 2021)

Program Learning Outcomes (PLO)

 Exhibit Christian character and servant leadership while providing compassionate care for a diverse population in communities across state, national, and global settings.
 Evidence-based best practices, critical thinking, and clinical reasoning, inform clinical

judgement for the provision of patient-centered, safe, quality care.

3. Create patient education plans that are culturally specific to the patient and that incorporate the family support system.

4. Communicate effectively with the interprofessional team to ensure a wholistic approach to patient-centered care.

5. Continue inquisitive learning by using the Electronic Medical Record and Informatics to meet quality metrics in a variety of healthcare and geographic settings.

6. Advocate for healthcare policies for the underserved, vulnerable populations to ensure equity with access to care for prevention, remedial, supportive, and rehabilitative nursing care regionally, nationally, and globally.

Course Learning Outcomes (CLO)

1. Discusses the importance of the literature review when beginning a research project or as a way to collect information to support scholarly writing.

2. Describes the use of informatics and evidence-based practice.

3. Uses the PICOT framework prior to a literature review to assist in finding relevant articles for nursing inquiry.

4. Examines ethics in nursing research.

5. Discusses confidentiality, privacy, and security in informatics.

6. Appraise the Electronic Medical Record and its benefit as a tool in care delivery systems.

7. Compares and contrast quantitative, qualitative, mixed, and outcomes research.

8. Examines different types of statistics used in research.

9. Evaluates own practice to ensure it is evidence-based and outcomes oriented.

10. Defends the need for ongoing nursing research to drive practice change and quality nursing care.

11. Create nursing care plans using predictive and prescriptive analytics.

PLO and CLO Alignment Table

Program Learning Outcomes	Course Learning Outcomes
1. Exhibit Christian character and servant	N/A
leadership while providing compassionate	
care for a diverse population in	

communities across state, national, and	
global settings.	
2. Evidence-based best practices, critical thinking, and clinical reasoning, inform clinical judgement for the provision of patient-centered, safe, quality care.	 Describes the use of informatics and evidence-based practice. Uses the PICOT framework prior to a literature review to assist in finding relevant articles for nursing inquiry. Evaluates own practice to ensure it is evidence-based and outcomes oriented. Defends the need for ongoing nursing research to drive practice change and quality nursing care.
3. Create patient education plans that are culturally specific to the patient and that incorporate the family support system.	N/A
4. Communicate effectively with the interprofessional team to ensure a wholistic approach to patient-centered care.	N/A
5. Continue inquisitive learning by using the Electronic Medical Record and Informatics to meet quality metrics in a variety of healthcare and geographic settings.	 6. Appraise the Electronic Medical Record and its benefit as a tool in care delivery systems. 11. Create nursing care plans using predictive and prescriptive analytics.
6. Advocate for healthcare policies for the underserved, vulnerable populations to ensure equity with access to care for prevention, remedial, supportive, and rehabilitative nursing care regionally, nationally, and globally.	N/A

Required Textbooks

Title	Author	Publisher	ISBN#
Understanding	Susan K. Grove	Elsevier	978-0323532051
Nursing Research:	and Jennifer R.		
Building an	Gray		

Evidence-based					
Practice (7 th ed.)					
Applied Clinical	Susan Alexander,	Jones and Bartlett	9781284129175		
Informatics for	Karen H. Frith, and	Learning			
Nurses (2 nd ed.)	Haley Hoy				
Nursing Diagnosis	textbook of your choice	e (can be a bundled ap	oplication on smart		
phone)					
Nursing Drug textbook of your choice (can be a bundled application on smart phone)					
Publication Manual	American	American	978-143383216		
of the American	Psychological	Psychological			
Psychological	Association	Association			
Association (7 th ed.)					

Suggested Resources

- 1. Articles
- 2. Position Papers
- 3. Healthcare Policies
- 4. Westmont College Library and online databases (EBSCO, ProQuest, ERIC, CINALH)

Assessment of CLOs (Assignments, quizzes, exams)

The assessments used in this course to measure your learning and meeting the content objectives and course learning outcomes will include class participation, quizzes, exams using NCLEX style questions, and a signature assessment (comprehensive assessment).

Course Learning Outcomes	Instructional activity	Assessment
 Discusses the importance of the literature review when beginning a research project or as a way to collect information to support scholarly writing. Describes the use of informatics and evidence- based practice. Uses the PICOT framework prior to a literature review or finding relevant articles for 	Instructional activity Lecture, class discussion, shared experiences, research critiques	Assessment Quizzes Quantitative research critique Qualitative research critique PICOT question
finding relevant articles for class projects. 4. Examines ethics in nursing		
research. 5. Discusses confidentiality,		
privacy, and security in informatics.		

 6. Appraise the Electronic Medical Record and its benefit as a tool in care delivery systems. 7. Compares and contrast quantitative, qualitative, mixed, and outcomes research. 8. Examines different types of statistics used in research. 9. Evaluates own practice to ensure it is evidence-based and outcomes oriented. 10. Defends the need for ongoing nursing research to drive practice change and quality nursing care. 	
quality nursing care. 11. Create nursing care plans using predictive and prescriptive analytics.	

Class participation	= P/NC
Quizzes 6 X 10pts each	= 60pts
Research article critique 2	x 100pts = 200pts
Assurance Training	= 50pts
PICOT question paper	= 100pts
	Total = 410pts

*Student must pass course with 75% to progress.

II. Course Policies

Grading

Grade points per unit of credit are assigned on the following scale: A 4 grade points A- 3.7 grade points B+ 3.3 grade points B 3.0 grade points B- 2.7 grade points C+ 2.3 grade points C+ 2.3 grade points C- 1.7 grade points D+ 1.3 grade points D 1.0 grade points D- 0.7 grade points P (At least D-) No grade points assigned. Not computed in the grade point average. F 0 grade points

NC (F) No grade points assigned. Not computed in the grade point average. W No grade points assigned. Not computed in grade point average.

WF No grade points assigned. Not computed in grade point average.

WP No grade points assigned. Not computed in grade point average.

WX No grade points assigned. Not computed in grade point average.

Westmont does not compute the units and grades students earned at other colleges in its grade average. (Exception: Courses and grades taken as part of a Westmont offcampus program are posted on the Westmont transcript and will be calculated in the Westmont GPA.)

Apart from the exceptions identified below, all courses at Westmont are graded using a letter scale (A, B, C, D, F).

Instructor Initiated Exceptions:

 For pedagogical reasons, an instructor may elect to use P/NC grade reporting in any class not approved for GE credit. It is assumed that the same gradereporting

system will be applied to the entire class.

- 2. With the approval of the General Education Committee, P/NC grade reporting may be used in appropriate, GE-approved courses.
- 3. When P/NC grade reporting is used, the syllabus must reflect this fact. In addition, departments are encouraged to include a notice in the catalog that the course may use P/NC grading.

Office of Disability Services

Students who have been diagnosed with a disability are strongly encouraged to contact the Office of Disability Services as early as possible to discuss appropriate accommodations for this course. Formal accommodations will only be granted for students whose disabilities have been verified by the Office of Disability Services. These accommodations may be necessary to ensure your equal access to this course.

Please contact Sheri Noble, Director of Disability Services. (310A Voskuyl Library, 565-6186, snoble@westmont.edu) or visit the website for more information: <u>http://www.westmont.edu/_offices/disability</u>

Dress Code

Comfortable, non-binding clothing

Academic Integrity

When students join our college community, they are expected, as apprentice scholars, to search for truth with integrity and accuracy. This quest requires humility about our abilities, respect for the ideas of others, and originality in our thinking. Since Westmont is a Christian community, the integrity of our scholarship is rooted in the integrity of our faith. We seek to be followers of Christ in the classroom, in the library, and at the privacy of our computers. Violations of academic integrity are a serious breach of trust

within the Westmont community because they violate the regard for truth essential to genuine learning and Christian consistency. Such deception also hurts those students who do their work with integrity. Violations of Academic Integrity may consist of cheating (the use of unauthorized sources of information on an examination or other assignment), falsification (misrepresentation of facts in any academic project or obligation) or plagiarism (the use of someone else's words or ideas without giving proper credit). Faculty and students should operate in an environment of mutual trust and respect. Faculty will expect students to act in ways consistent with academic integrity. However, for both scholarly and spiritual reasons, cheating, falsification, plagiarism and all other violations of academic integrity will not be tolerated in the Westmont community. Please familiarize yourself with the entire Westmont College Academic Integrity Policy. This document defines different violations of academic integrity and their consequences. It also contains very helpful information on strategies to recognize violations of academic integrity before they occur. Dishonesty in the clinical setting, will not be tolerated and students will be removed followed by program suspension or termination.

Technology in the Classroom

Laptops, tablets, and smart phones can be used in the classroom with the permission of the faculty. The use of smart phones in the clinical setting will depend on each clinical setting's rules. Smart phones in the clinical setting can be used for clinical related resources (drug book, Tabers, calculation, etc). Recording lectures is also at the discretion of the faulty and permission must be granted.

Emergencies

In the event that an emergency occurs during instruction, it is important to be familiar with the practices in place for the classroom. Please review the document at https://integready.app.box.com/AnticipatingInClass and direct any questions or concerns to the Office of Institutional Resilience.

III. Weekly course schedule

Textbooks

Understanding Nursing Research **G/G** Applied Clinical Informatics for Nurses **A/F/H**

Week	Content	Readi	Activities and	Outcome
	Objectives	ng	assignments	Measurement
1/2	Orientation to			
	course and			
	semester			
3	Introduction to	G/G	Online Activity: Have students	
	Nursing	Ch. 1	visit the American Association of	
	Research		Colleges of Nursing's website and	
	 Discuss the 	A/F/H	review the published position	
	purposes of	Ch. 1	statement regarding participation	
	research in		of nurses in research based on	

*Subject to change at any time, you will be notified of any changes

	implementing an		their educational preparation:	
	evidence-based		http://www.aacnnursing.org/News	
	nursing practice.		-information/Position-Statements-	
	2. Examine your		White-Papers/Nursing-Research	
	role in research as		, 5	
	a professional		In class, students can	
	nurse.		share examples of the research	
	3. Describe the		roles of nurses prepared in	
	common types of		baccalaureate, masters,	
	research-		practice-doctorate, and	
	quantitative,		research-focused doctorate	
	qualitative, mixed		programs.	
	methods, and		programo.	
	outcomes-			
	conducted to			
	generate evidence			
	for nursing			
	practice.			
	4. Review the			
	history of the			
	development of			
	clinical informatics			
	in the United			
	States.			
	5. Examine the			
	present culture of			
	health care in the			
	United States.			
1				
Λ		GIG	Online activity: Find three	Quiz (weeks 3/4)
4	Quantitative	G/G Ch 2	Online activity: Find three	Quiz (weeks 3/4)
4	Quantitative Research	G/G Ch. 2	quantitative research articles of	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the	Ch. 2	quantitative research articles of interest on the internet. You will	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative	Ch. 2 A/F/H	quantitative research articles of interest on the internet. You will use these for your first	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process	Ch. 2	quantitative research articles of interest on the internet. You will	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive,	Ch. 2 A/F/H	quantitative research articles of interest on the internet. You will use these for your first assignment.	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational,	Ch. 2 A/F/H	quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion:	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi-	Ch. 2 A/F/H	quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and	Ch. 2 A/F/H	quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies.	Ch. 2 A/F/H	quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies. 2.Compare and	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies. 2.Compare and contrast the	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies. 2.Compare and contrast the problem-solving	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies. 2.Compare and contrast the problem-solving process, nursing	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies. 2.Compare and contrast the problem-solving process, nursing process, and	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental published studies. 2.Compare and contrast the problem-solving process, nursing process, and research process.	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
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4	Quantitative Research 1. Identify the quantitative research process in descriptive, correlational, quasi- experimental, and experimental, and experimental published studies. 2.Compare and contrast the problem-solving process, nursing process, and research process. 3. Conduct initial critical appraisals of quantitative research articles.	Ch. 2 A/F/H	 quantitative research articles of interest on the internet. You will use these for your first assignment. Class discussion: What are the differences among descriptive, correlational, quasi-experimental, and experimental 	Quiz (weeks 3/4)
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	a complex healthcare system. 5.Examine the role of clinical informatics in			
	optimizing the nurse's role in interprofessional			
	collaboration.			
5	Qualitative Research 1. Describe four qualitative research designs— phenomenological research, grounded theory research, ethnography, and exploratory- descriptive qualitative research—and their intended outcomes. 2. Describe strategie used by qualitative researchers to increase the credibility and transferability of thei findings. 3.Critically appraise qualitative atudies	G/G Ch. 3	 Discussion Topic: What are the advantages of using quantitative approaches to study health? What are the advantages of using qualitative approaches to studying health? Discussion Topic: How are the nurse–patient relationship and the researcher-participant relationship alike? How are they different? Online Activity: Students locate a short (5-minute or less) video interview with a nurse on a site such as youtube.com and transcript the interview. How long did it take to transcribe? What factors interfered with hearing the interview and transcribing the text? 	
	qualitative studies for application to practice. 4. Examine the differences in sampling, recruitmen data collection, and data analysis for quantitative and qualitative research.			
6	Literature Review	G/G	Discussion Topic: What are the	Quiz (weeks 4/5)
	1. Discuss the purposes of the literature review in quantitative and qualitative research	Ch. 6 A/F/H Ch.10	advantages of preparing a table to organize the findings of several studies? What are the disadvantages?	
	 qualitative research. 2. Critically appraise the literature review section of a publishe study for current, 		Small group discussion: What have you experienced in your nursing practice as changes related to the deployment of	

quality sources, relevant content, synthesis of rele content.3. Conduct a computerized search of the literature.4. Examine the major information technologies tha have the potentia to impact the safety of care.5. Evaluate the impact on nursin when these technologies are deployed.	van n t al	technology? How has this impacted your workload?	
 7 Problems, purposes and hypotheses 1. Identify reseautopics, problems and purposes in published quantitative and qualitative studie 2. Critically appraise the research probler and purposes in studies. 3. Differentiate among the types of hypotheses (associative versus causal, simple versus complex, nondirectional versus directional and statistical versus research; 4. Critically appraise the conceptual and operational definitions of variables in studies. 5. Discuss the benefit of the PICOT question guide research. 	, pgs. 390-394 es. al, al, .	Small group activity: Give each student group a different type of qualitative or quantitative study. Have students identify the type of study they have been assigned and identify the problem statement and purpose. Be ready to share with the class. Online activity: Have students select a specialty nursing professional organization not detailed in the chapter and review the organization's website for research priorities. Discuss student findings.	Quantitative research article critique due

	6. Diagram the			
	PICOT question.			
8	Ethics in nursing	G/G	Discussion Topic: Rights of	Quiz (weeks 6/7)
Ŭ	research	Ch.4	human subjects include self-	
	1. Describe the role	011.4	determination, fair treatment,	
	of the BSN-prepared	A/F/H	and protection from harm and	Online Activity: Review
	nurse in ensuring	Ch. 6	discomfort. How do these	Modules 1 to 3 of
	ethical research.	011. 0	concepts match up the ethical	Assurance Training at the
	2. Discuss the		principles used in research?	Office for Human
	historical events		Discuss respect for persons	Research Protections
	influencing the		(self-determination or	website
	development of		autonomy), justice (fair	(https://www.hhs.gov/ohrp
	ethical codes and		treatment), and beneficence	/education-and-outreach/
	regulations for		(protection from harm or	human-research-
	nursing and		discomfort).	protection-program-
	biomedical research			Fundamentals/index.html
	3. Examine the			assurance-training
	ethical			Due Week 9
	principles and		Small group activity:	
	human		Have students research one of	
	rights that require		the four unethical research	
	protection in		studies discussed in the textbook	
	research.		and be prepared to report out to	
	4. Appraise the		class the impact these studies	
	essential elements		had on ethical research	
	of the informed		standards.	
	consent process in			
	research.			
	5. Evaluate the			
	levels			
	of review that an			
	institutional review			
	that an institutional			
	review board (IRB)			
	may use in `			
	reviewing			
	a study.			
	6. Justify the			
	current issues in			
	ethical research			
	surrounding			
	genomics research,			
	use of animals in			
	studies, and			
	research			
	misconduct.			
	7. Critically			
	appraise ethical			
	sections in			
	research reports			
	with emphasis on			
	IRB and informed			
	consent			
	processes.			
	8. Discuss the			
	actions required of			

	organizations for protecting personal health information. 9. Analyze clinical situations for compliance with privacy and security regulations.	0/0		Qualitation and
9	 Frameworks Define theory and the elements of theory (concepts, relational statements, and propositions). Distinguish among the levels of theoretical thinking. Describe the use of middle-range theories as frameworks for studies. Describe the purpose of a research frameworks developed from nursing and other theories. Critically appraise the frameworks in published studies. 	G/G Ch. 7	Small group activity: Compare and contrast the middle-range theories and report out to the class.	Qualitative research article critique due Modules 1 and 3 of the assurance training modules
10	Quantitative research designs 1. Identify the noninterventional or nonexperimental designs (descriptive and correlational) and intervention or experimental designs	G/G Ch. 8	Group discussion: How are descriptive correlational, predictive correlational, and model testing designs similar and different? What role does the literature play in the development of an experimental intervention?	Quiz (weeks 8/9)

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	(quasi-experimental		Online Activity: Using a site	
	and experimental)		such as PubMed	
	commonly used in		(www.pubmed.com), have	
	quantitative nursing		students find an example of a	
	studies.		simple descriptive design and a	
	2. Describe the		comparative descriptive design	
	concepts relevant		and provide the citation for each,	
	-			
	to quantitative		as well as a brief paragraph	
	research designs.		explaining how they identified	
	3. Examine study		the design.	
	designs for			
	strengths and			
	threats to design			
	validity.			
	4.Critically appraise			
	descriptive and			
	correlational			
	designs in studies.			
	5. Describe the			
	elements of designs			
	that examine			
	causality.			
	6.Critically appraise			
	2 1 1			
	the interventions			
	implemented in			
	studies.			
	Critically appraise			
	the quasi-			
	experimental and			
	experimental			
	designs in studies.			
	8. Examine the			
	quality of			
	randomized			
	controlled trials			
	conducted in			
	nursing.			
11	Populations and	G/G	Topic discussion:	
	Samples	Ch. 9	What are the advantages and	
	1. Describe	011. 9	disadvantages of convenience	
	sampling theory	A/F/H	sampling? How can some of the	
	with its relevant	Ch. 11	disadvantages of convenience	
	concepts.		sampling be overcome?	
	2. Critically appraise			
	the sampling		What are some examples of the	
	criteria in published		three types of research settings?	
	studies.			
	3.Identify the			
	specific type(s) of			
	probability and			
	nonprobability			
	sampling methods		Small group activity:	
1 1			Have students compare and	
	Implemented in			
	implemented in		•	
	quantitative and qualitative studies.		contrast each of the probability sampling methods	

	4. Describe the		and the uses for each. Be ready	
	aspects of power		to discussion in class.	
	analysis used to			
	determine sample			
	size in selected			
	studies.			
	5. Critically appraise			
	the sample size of			
	quantitative and			
	qualitative studies.			
	6.Critically appraise			
	the sampling			
	processes			
	implemented in			
	quantitative and			
	qualitative studies.			
	7. Critically			
	appraise the			
	settings used for			
	quantitative and			
	qualitative studies.			
	8. Discuss the			
	impact the EMR			
	has had on the			
	management of			
	data and			
	evidence-based			
	nursing practice.			
	9. Appraise the			
	challenges of the			
	EMR including			
	interoperability,			
	workflow patterns,			
	system and			
	system related			
	expenses,			
	performance, and			
	-			
	security.			
4.0		0/0		DIGGT :
12	Data Collections	G/G	Discussion Topic:	PICOT paper due
	1. Describe	Ch. 10	What is the difference between	Quiz (weeks 10/11)
	measurement		primary data, secondary data,	
	theory and its	A/F/H	and administrative data?	
	relevant concepts	Ch. 12		
	of directness of			
	measurement,		Small group discussion:	
	levels of measure-		Have students answer the	
	ment, measurement		following questions:	
	error, reliability, and		• 1. A glucometer that is	
	validity.		used in a study with	
	2. Determine the		patients with diabetes	
	levels of		was incorrectly calibrated.	
	measurement—		This is an example of which	
	nominal, ordinal,		type of error?	
	interval, and ratio-		 2.In a study of patient- 	
	achieved by		controlled analgesia, one of	

		• • • • • • •	
	surement	the nurses failed to record the	
	ods in studies.	number of milliliters of	
	itically appraise	medication remaining when the	
	reliability and	intravenous bag was changed.	
	ity of measure-	This is an example of which	
men	t methods in	type of error?	
studi	es.	 3. For another type of error of 	
4. Cr	ritically appraise	physiological measures,	
the a	accuracy,	provide an example.	
prec	ision, and error	 4.Complete this sentence: 	
of ph	nysiological	Precision of physiological	
mea	sures used in	measurement is similar to the	
studi	es.	of scales that	
5. Cr	itically appraise	measure psychosocial	
the s	ensitivity,	concepts.	
spec	ificity, negative	Be prepared to discuss in class.	
	ictive value,		
and	likelihood ratios		
of dia	agnostic tests		
	emented in		
	arch and		
clinic	cal practice.		
6. Cr	itically appraise		
	neasurement		
strat	egies—		
	iological		
	sures,		
obse	ervations,		
	views, question		
	es, and scales—		
used	l in quantitative		
studi	-		
7. Ci	ritically appraise		
	quality of the		
	collection		
secti	on in		
quar	titative studies.		
	scuss the		
parts	s of clinical		
decis	sion-support		
syste			
	kamine how		
	al decision-		
supp	oort systems		
	mprove		
	ent safety.		
	Evaluate the		
nurs	e's		
resp	onsibility		
	n using clinical		
	sion-support		
syste			
	edded in		
	ronic health		
	rds and other		
emb	edded in rronic health		

[health information			
40	technologies.	0/0	Discussion Tania:	
13	Statistical	G/G Ch. 11	Discussion Topic:	
	methods 1. Discussthe	Ch. Th	How do missing data points impact a study?	
			impact a study?	
	steps of the data		Small group discussion.	
	analysis process:		Small group discussion: Directions for students:	
	(a) management		Read the scenarios and answer	
	of missing data; (b) description of			
	the sample; (c)		the questions below: 1. A researcher predicts that as	
	reliability of the		anxiety increases, chest pain	
	measurement		increases. What type of relation-	
	methods; (d)		ship is predicted between the	
	exploratory		variables?	
	analysis of the		2. A report of a cross-sectional	
	data; and (e) use		study of postoperative patients	
	of inferential		contains the finding of a	
	statistical analyses		significant correlation between	
	guided by study		pain and immobility. The report	
	objectives,		concludes that postoperative	
	questions, or		pain causes immobility. What is	
	hypotheses.		your appraisal of this conclusion?	
	2. Identify		3. A researcher reports that the	
	descriptive		correlation between the mean	
	analyses, such as		scores of two instruments	
	frequency		is $r = 0.48$. Was the relationship	
	distributions,		significant?	
	percentages,		4. What is the relationship	
	measures of central		between the total spiritual score	
	tendency, and		and the total social support	
	measures of		score in the hypothetical	
	dispersion,		data file?	
	conducted to		5. A correlation of $r = 0.34$ was	
	describe the		found between pain and	
	sample and study		immobility. What percentage of t	
	variables in		he variance is explained?	
	research reports.		What percentage is unexplained?	
	3. Compare and		Be prepared to report out to	
	contrast the five		class.	
	types of results			
	obtained from			
	quasi-			
	experimental and			
	experimental			
	studies that are			
	interpreted within			
	a decision theory framework.			
	4. Examine results			
	obtained from the			
	inferential			
	statistical analyses			
	conducted to			
	examine			
	relationships.			
	relationships.			L

 5.Compare and contrast statistical significance and clinical important of results. 6. Critically appraise statistic results, findings, limitations, conclusions, generalization of findings, nursing 	ce cal		
implications, and suggestions for further research study.			
14Building your evidence-based practice1. Critically appra systematic review meta-analyses, meta-syntheses, and mixed-method systematic review of research evide2. Describe the models used to promote evidence-based practice in nursin 	A/F/H Ch. 8/10 Dds ws enco ng. cies ve hent and	Class discussion: Identify predictive and prescriptive analytics that are used in the hospital and on the units you practice. Have you seen better patient outcomes using these methods. Small Group Activity: Instructions for students: Write a brief paragraph in response to the following questions: 1. From your perspective, which of the barriers to evidence-based nursing practice is the greatest? Provide the rationale for your answer. What steps could be taken to address those barriers? 2. Can you argue the business case for evidence-based nursing practice in hospitals? In other words, how does EBP decrease costs and increase resources?	Quiz (weeks 12/13)

	h a alth a an-			[]
	healthcare			
	questions.			
	7. Create			
	algorithms from			
	the EMR data			
	found on your unit.			
15	Digital patient	A/F/H	Class discussion:	
	empowerment	Ch. 16	How does Social Media affect	
	and		the knowledge patients come to	
	empowerment		the hospital with? How does this	
	1. Understand		affect the care you provide?	
	patient			
	engagement and		Small group discussion:	
	empowerment and		Share your experience and	
	the role of digital		understanding of Social	
	tools and the		Networks used by patients,	
	internet.		social networks used by nurses,	
	2. Explore current		social networks used by hurses,	
	perspectives on		healthcare systems. What are	
	digital patient		some concerns of future social	
	engagement and		media?	
	empowerment.			
	3. Examine the			
	•• =•••••			
	challenges and issues related to			
	the use of the			
	internet in patient			
	engagement and			
	empowerment.			
	4. Evaluate the			
	revolutionary			
	digital changes in			
	healthcare			
	delivery systems.			
	5. Recognize			
	future trends in			
	patient			
	engagement and			
	empowerment in			
	the digital era.			
16	Course wrap-up an	id shared r	neal in Santa Barbara	

NUR260