# Course Description

The focus of this course is the critical analysis of the process of research. Ethical, moral, and technological aspects related to nursing research are discussed. The relationship of nursing utilization and evidence-based practice is examined. This course provides an experience in conducting descriptive research on a nursing problem.

# Course Outcomes

* **CLO1:** Differentiate between inquiry and research.
* **CLO2:** Explain strategies for collaborating in research with nurses and other health care professionals.
* **CLO3:** Formulate a nursing problem appropriate for research.
* **CLO4:** Support and substantiate research efforts using appropriate sources and research skills.
* **CLO5:** Implement practices and procedures that protect the rights of subjects and other individuals during the research process.
* **CLO6:** Develop a plan for research that conforms to the requirements of scientific research methodology.
* **CLO7:** Perform research collection and analysis that demonstrate integrity.
* **CLO8:** Utilize appropriate analysis for the presentation of data.
* **CLO9:** Analyze and evaluate research findings.
* **CLO10:** Communicate research findings in a clear, concise, and ethical manner through a variety of media.
* **CLO11:** Translate the results of personal research efforts into a proposed plan of action to alleviate a nursing problem.
* **CLO12:** Apply evidence-based practice to current or anticipated health or nursing problems.

**Program Outcomes**

* **PLO1:** Articulate an educational organization's mission, goals, and guiding principles that distinguish the organization from others. (ULO1, 4)
* **PLO2:** Understand the foundational base of organizational theory, and demonstrate the ability to bridge theory and practice. (ULO1, 2, 4)
* **PLO3:** Given scenarios of conflict, choose ethical courses of action consistent with Gospel values. (ULO3, 5)
* **PLO4:** Synthesize and analyze data to reveal relations and causality, and convert raw data into actionable information. (ULO2, 4)
* **PLO5:** View problems and challenges through the lens of a scientist, seeking evidence-based conclusions. (ULO1, 2, 4)
* **PLO6:** Practice and model steward leadership in transforming organizations to better serve all constituents. (ULO3, 4, 5)
* **PLO7:** Demonstrate facility in the application of technology to solve problems, analyze and synthesize data, and manage information. (ULO1, 2, 4)

# University Learning Outcomes (ULO)

* **ULO1**:Knowledge of Human Cultures and the Physical and Natural World
* **ULO2**: Intellectual and Practical Skills
* **ULO3**: Personal and Social Responsibility
* **ULO4**: Integrative and Applied Learning
* **ULO5**: Immersed in the Critical Concerns of the Sisters of Mercy of the Americas

**Student Expectations**

Students are expected to do the following:

* Ask probing and insightful questions related to course content.
* Make meaningful and relevant connections and application to their own learning process.
* Be productive and contributing members of class discussions.

# Required Course Materials

Polit, D. F., & Beck, C. T. (2014). *Essentials of nursing research: Appraising evidence for nursing practice* (8th ed.). Philadelphia, PA: Wolters Kluwer Health/Lippincott/Williams & Wilkins.

ISBN: 9781451176797

American Psychological Association. (2010). *Publication manual of the American Psychological Association* (6th ed.). Washington, DC: Author.

# Suggested Point Values

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Assessment** | **Due** | **Point Value** |
| **Week 1** |  |  |  |
|  | Discussion Question: Finding Nursing Research Problems |  | 2 |
|  | Assignment: Justification Exercise |  | 1 |
|  | Assignment: Literature Exercise |  | 1 |
|  | Week 1 Quiz: Nursing Research Problems |  | 2 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Week 2** |  |  |  |
|  | Discussion Question: Data Collection Instruments |  | 2 |
|  | Discussion Question: Improving Questions |  | 1 |
|  | Assignment: Improving the Question Worksheet |  | 1 |
|  | Assignment: Research Project: Chapter 1 |  | 2 |
|  | Assignment: Research Project: Institutional Review Board (IRB) Information |  | 1 |
|  | Week 2 Quiz: Methodology |  | 2 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Week 3** |  |  |  |
|  | Discussion Question: NINR Research Initiatives |  | 2 |
|  | Discussion Question: Analysis of Data from Questions |  | 2 |
|  | Journal: Nursing Research |  | 1 |
|  | Assignment: Research Project: Tool and Permission Letter |  | 2 |
|  | Week 3 Quiz: Data Analysis |  | 2 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Week 4** |  |  |  |
|  | Discussion Question: Excel |  | 2 |
|  | Assignment: Excel Sample Data Entry |  | 1 |
|  | Assignment: Research Processes in Nursing – Descriptive Statistics |  | 2 |
|  | Assignment: Research Processes in Nursing – Tables and Figures |  | 1 |
|  | Assignment: Research Project: Chapter 2 |  | 2 |
|  | Week 4 Quiz: Presentation of Data |  | 2 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Week 5** |  |  |  |
|  | Discussion Question: Implications and Recommendations From Abstract or Conclusions |  | 2 |
|  | Assignment: Research Project: Creating an Action Plan |  | 2 |
|  | Assignment: Research Project: Chapter 3 |  | 2 |
|  | Week 5 Quiz: Implication, Conclusion, Recommendation, or Limitation |  | 2 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Week 6** |  |  |  |
|  | Discussion Question: Ethical Considerations |  | 2 |
|  | Assignment: Historical Research Critique |  | 2 |
|  | Assignment: Experimental Research Critique |  | 2 |
|  | Week 6 Quiz: Ethics |  | 2 |
|  | Assignment: Research Project: Chapter 4 |  | 2 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Week 7** |  |  |  |
|  | Discussion Question: Research Utilization |  | 2 |
|  | Week 7 Quiz |  | 2 |
|  | Assignment: Final Research Project |  | 30 |
|  | Assignment: Final Research Presentation |  | 7 |
|  | Participation |  | 1 |
|  |  |  |  |
| **Total Points** |  |  | **100** |

# Weekly Learning Modules

|  |  |  |  |
| --- | --- | --- | --- |
| Week One: Initiating Nursing Research Problems | |  | |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Identify researchable nursing problems. | | CLO1 | |
| * 1. Conduct a review of literature for primary and secondary sources. | | CLO1, CLO4 | |
| * 1. Critique research articles applicable to the identified nursing research problem. | | CLO4 | |
| * 1. Write the sections in the conceptual phase of nursing research—that is, justification, statement of problem, review of literature, statement of purpose, and definition of terms. | | CLO2, CLO3, CLO4, CLO5, CLO6 | |
| ***Required Learning Resources and Activities****: Students must complete any resources activities listed in this section as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Student Expectations, Course Policies, and the Academic Integrity Policy**  *Note*. This course requires students to follow all the steps of the research project to produce a complete nursing research paper. Students must complete assignments themselves and must properly cite any resources they have used during the course, in accordance with the stated Student Expectations, Course Policies, and the Academic Integrity Policy.  **Review** the Student Expectations.  **Review** the Course Policies.  **Review** the Academic Integrity Policy.  **Post** questions and comments about the student expectations and course policies in the Week One General Q&A discussion forum on Blackboard. | |  | Review reading & post response =  **30 minutes** |
| **Weekly Reading**  **Read** Ch. 6–8 of *Essentials of Nursing Research*.  **Post** questions and comments about the content of the reading in the Week One General Q&A discussion forum on Blackboard. | | 1.1, 1.2, 1.3, 1.4 | Review reading & post response =  **30 minutes** |
| **Lecture: How to Find a Problem**  **Resources:** How to Find a Problem handout and the Research Paper Outline handout  **Watch** the “How to Find a Problem” lecture, available on Vimeo (51:31): <https://vimeo.com/106647526>  **Post** questions and comments about the content of the reading in the Week One General Q&A discussion forum on Blackboard. | | 1.1, 1.4 | Review lecture & post response =  **1 hour** |
| **Lecture: Support of the Problem**  **Resource:** Support of the Problem handout  **Watch** the “Support of the Problem” lecture, available on Vimeo (47:43): <https://vimeo.com/106647527>  **Post** questions and comments about the content of the reading in the Week One General Q&A discussion forum on Blackboard. | | 1.2, 1.3, 1.4 | Review lecture & post response =  **1 hour** |
| **Lecture: The Conceptual Phase**  **Resource:** The Conceptual Phase handout  *Note*. Finish watching both the “How to Find a Problem” and “Support of the Problem” lectures before watching this lecture.  **Watch** the “Putting the Conceptual Phase All Together” lecture, available on Vimeo (7:24): <https://vimeo.com/106647528>  **Post** questions and comments about the content of the reading in the Week One General Q&A discussion forum on Blackboard. | | 1.1, 1.2, 1.3, 1.4 | Review lecture & post response =  **30 minutes** |
| **Gwynedd Mercy University Library Resource Tutorials**    **Review** the Gwynedd Mercy University Library Resource Tutorials, available on the GM Keiss Library website at <http://gmercyu.libguides.com/content.php?pid=492367&sid=4701431>  **Post** questions and comments about the content of the reading in the Week One General Q&A discussion forum on Blackboard. | | 1.2 |  |
| **Adobe Connect Session**    **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | 1.1, 1.2, 1.3, 1.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **4 hours 30 minutes** |
| ***Supplemental Learning Resources and Activities****: These resources and activities provide further exploration of content, supplemental information, and skill building. Students may complete items in this section on their own or as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Nature of Research and Nursing Research Lecture**  Typically, the “Nature of Research” (or “Introduction to Nursing Research”) is one of the first lectures of a research course. However, in the interest of getting started with your research projects quicker, this lecture is in Week Three.  **Preview** the “Nature of Research and Nursing Research” lecture, available on Vimeo (29:56): <https://vimeo.com/106647610>  *Note*. This content will be reviewed and assessed in Week Three. | | 3.1, 3.2, 3.3, 3.4 | Review lecture & post response =  **30 minutes** |
| **Optional Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | 1.1, 1.2, 1.3, 1.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **1 hour, 30 min** |
| ***Assignment****: Students must complete the weekly assignment(s).* | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: Finding Nursing Research Problems**  **Review** the “How to Find a Problem” lecture.  **Post** two problems you have identified for your nursing research project in the discussion forum, including three reasons for each problem that help justify your identification of these as problems.    *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week One.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week One. | | 1.1, 1.4 | Posting and responding to three students=  **1 hour** |
| **Assignment: Justification Exercise** **Worksheet**  **Complete** the Justification Exercise Worksheet.  **Submit** your completed worksheet to your instructor via Blackboard by Sunday, 11:59 PM (EST) of Week One. | | 1.2, 1.4 | Assignment – classification and review feedback =  **30 min** |
| **Assignment: Literature Exercise Worksheet**  **Complete** the Review of the Literature exercise.  **Submit** your completed worksheet to your instructor via Blackboard by Sunday, 11:59 PM (EST) of Week One. | | 1.2, 1.3, 1.4 | Assignment – classification and review feedback =  **30 min** |
| **Week 1 Quiz: Nursing Research Problems**  **Complete** the Week 1 Quiz: Nursing Research Problems by Sunday, 11:59 PM (EST) of Week One. | | 1.1, 1.2, 1.3, 1.4 | Assessment – multiple choice with feedback =  **1 hour** |
| **Upcoming Research Project: Chapter 1 (Conceptual Phase)**  **Resource:** Research Paper Outline handout    **Write** Chapter 1 of your Research Project, including all the following elements:   * Introduction: includes the statement of the problem in broad terms and the justification of the problem * Conversion of the health problem to a nursing problem * Statement of the problem in one sentence (can combine at the end of the introduction) * Review of the literature * Conceptual or theoretical framework * Statement of the purpose in one sentence * Definition of terms   *Note*. Chapter 1 will be due Week Two of this course. | | 1.1, 1.2, 1.3, 1.4 | Ongoing Project =  **2 hour** |
| **Total** |  |  | **5 hours** |
| **Notes** |  | | |

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| Week Two: The Methodology of Nursing Research | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Identify the major types of nursing research. | | CLO1 | |
| * 1. Differentiate between the types of sampling procedures used in nursing research. | | CLO1 | |
| * 1. Compare data gathering techniques. | | CLO1 | |
| ***Required Learning Resources and Activities****: Students must complete any resources activities listed in this section as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Weekly Reading**  **Read** Ch. 9–11 of *Essentials of Nursing Research*.  **Post** questions and comments about the content of the reading in the Week Two General Q&A discussion forum on Blackboard. | | 2.1, 2.2, 2.3 | Review reading & post response =  **30 minutes** |
| **Lecture: Research Methodology**  **Watch** the “Research Methodology” lecture, available on Vimeo (39:19): <https://vimeo.com/106644308>  **Post** any questions and comments about the lecture in the Week Two General Q&A Discussion Board. | | 2.2, 2.3 | Review lecture & post response =  **30 minutes** |
| **Lecture: Data Collection**  **Resources:** Data Collection handout, Types of Questions handout, What’s Wrong With These Questions handout, Sample Letter of Permission, and Sample Cover Letter  **Review** the Data Collection handout.  **Watch** the “Data Collection” lecture, available on Vimeo (43:37): <https://vimeo.com/106644307>  **Post** any questions and comments about the lecture in the Week Two General Q&A Discussion Board. | | 2.1, 2.2, 2.3 | Review lecture & post response =  **45 minutes** |
| **SurveyMonkey Tutorial**  As part of your research project, you will receive data from your instructors based on your research instrument. To send your instrument to your instructors and receive the data, you will need to input your instrument into SurveyMonkey. The following tutorials will help you become acquainted with the SurveyMonkey interface and process.  **Resource:** SurveyMonkey Tutorial handout.  **Navigate** to the SurveyMonkey website: [www.surveymonkey.com](http://www.surveymonkey.com)  **Watch** “SurveyMonkey Tutorial,” available on Vimeo (27:49): <https://vimeo.com/107062720>  **Post** any questions and comments about the lecture in the Week Two General Q&A Discussion Board. | | 2.3 | Review lecture & post response =  **30 minutes** |
| **Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **3 hours, 15 minutes** |
| ***Supplemental Learning Resources and Activities****: These resources and activities provide further exploration of content, supplemental information, and skill building. Students may complete items in this section on their own or as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Optional Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **1 hour** |
| ***Assignment****: Students must complete the weekly assignment(s).* | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: Data Collection Instruments**    **Write** a response to the following questions in the discussion forum:   * When would it be best to use a questionnaire versus an interview? * What is the best time to use a perception versus a knowledge questionnaire?   *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Two.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Two. | | 2.1, 2.2, 2.3 | Posting and responding to three students=  **1 hour** |
| **Discussion Question: Improving Questions**  **Review** the Improving Questions handout.  **Choose** three of the examples listed in the handout.  **Explain** why those example questions require improvement before they could be used for a research study.  **Rewrite** the questions in a way that solves the problems.  *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Two.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Two. | | 2.2, 2.3 | Posting and responding to three students=  **1 hour** |
| **Assignment: Improving the Question Worksheet**  **Complete** the Improving the Question Worksheet.  **Submit** the completed worksheet to your instructor via Blackboard. | | 2.2 | Assignment – identification and classification =  **30 min** |
| **Assignment: Research Project: Chapter 1**  **Submit** Chapter 1 to your instructor in Blackboard no later than 11:59 p.m. EST on Sunday. | | 7.4 | Ongoing Project =  **2 hour** |
| **Research Project: Institutional Review Board (IRB) Information**  **Review** the Frequently Asked Questions about the IRB Process Handout.  **Watch** the “IRB Form” video, available on Vimeo (2:52): <https://vimeo.com/106644306>  **Choose** the IRB form that best fits your selected topic:   * Request for IRB Screening for Exemption Form * Request for Expedited Review Form   **Complete** the IRB Form using your research project information.  **Submit** your completed IRB Form to your instructor via Blackboard. | | 6.1, 6.2 | Ongoing Project =  **1 hour** |
| **Week 2 Quiz: Methodology**  **Complete** the Week 2 Quiz: Methodology by Sunday, 11:59 PM (EST) of Week Two. | | 2.1, 2.2, 2.3 | Assessment – short answer with feedback =  **1 hour** |
| **Upcoming Assignment: Research Project: Tool and Permission Letter**  **Resources:** Sample Letter of Permission and the Sample Cover Letter  **Design** a data collection tool.  **Create** a tool and permission letter with the purpose of convincing the agency to allow you to perform your research.  **Create** a cover letter, directed toward the subjects of the tool, with directions about returning the instrument.  **Write** a cover letter for your questionnaire.    *Note*. The tool and permission letter will be due in Week Three of this course. | | 7.4 |  |
| **Upcoming Assignment: Research Project: Chapter 2 (Methodology)**  **Write** Chapter 2 of your Research Project, including all the following elements:   * Research approach (descriptive and experimental) * Techniques for data collection (questionnaire) * Study subjects * Setting description * Procedures * Limitations of the study   *Note*. Chapter 2 will be due in Week Four of this course. | | 7.4 |  |
| **Total** |  |  | **6 hours, 30 minutes** |
| **Notes** |  | | |

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| **Week Three: Nature of Research and Analysis of Data** | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Differentiate between inquiry and research. | | CLO1 | |
| * 1. Determine the characteristics of nursing research. | | CLO3 | |
| * 1. Identify the major types of nursing research. | | CLO3 | |
| * 1. Utilize appropriate analysis for the presentation of data. | | CLO7, CLO8, CLO9, CLO10 | |
| * 1. Compare the levels of measurement and their application to data analysis. | | CLO7, CLO8 | |
| * 1. Differentiate between descriptive and inferential statistics. | | CLO6, CLO7 | |
| ***Required Learning Resources and Activities****: Students must complete any resources activities listed in this section as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Weekly Reading**  **Read** Ch. 10–12 of *Essentials of* *Nursing Research*.  **Post** questions and comments about the content of the reading in the Week Three General Q&A discussion forum on Blackboard. | | 3.1, 3.2, 3.3 |  |
| **Lecture: Nature of Research and Nursing Research**  **Watch** the “Nature of Research and Nursing Research” lecture, available on Vimeo (29:56): <https://vimeo.com/106647610>    **Post** any questions and comments about the lecture in the Week Three General Q&A Discussion Board. | | 3.1, 3.2, 3.3, 3.4 | Review lecture & post response =  **30 minutes** |
| **National Institute of Nursing Research**  **Visit** the National Institute of Nursing Research website at <http://www.ninr.nih.gov/aboutninr/ninr-mission-and-strategic-plan>  **Review** the Strategic Plan of the NINR at <https://www.ninr.nih.gov/sites/www.ninr.nih.gov/files/ninr-strategic-plan-2011.pdf>  **Post** any questions and comments about the content of the reading in the Week Three General Q&A Discussion Board | | 3.1, 3.2, 3.3 | Review lecture & post response =  **30 minutes** |
| **Nursing Research: Bringing Science to Life Video**  **Watch** “Nursing Research: Bringing Science to Life,” available on YouTube (21:31): <http://www.youtube.com/watch?v=pUn6Ss94eOo>  **Post** any questions and comments about the content of the video in the Week Three General Q&A Discussion Board | | 3.1, 3.2, 3.3 | Review lecture & post response =  **30 minutes** |
| **Lecture: Data Analysis**  **Watch** the “Data Analysis” lecture, available on Vimeo (29:31): <https://vimeo.com/106648127>  **Post** any questions and comments about the lecture in the Week Three General Q&A Discussion Board. | | 3.4, 3.5, 3.6 | Review lecture & post response =  **30 minutes** |
| **Research Paper Sample**  Your instructor will send you a sample of a research paper written in a previous year.  **Review** your sample research paper to get a sense of the following:   * Form of the research paper * Required content * Formatting requirements   *Note*. Your sample paper will be a clean copy, meaning that the mistakes and errors of the original authors will be intact and unmarked. Please review your sample paper with caution. | | 7.4 |  |
| **Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **3 hours** |
| ***Supplemental Learning Resources and Activities****: These resources and activities provide further exploration of content, supplemental information, and skill building. Students may complete items in this section on their own or as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Qualitative Data and Analysis**  **Read** Ch. 14–17 of *Essentials of* *Nursing Research.*  *Note*. These chapters deal primarily with qualitative data and analysis. | | 3.4, 3.5 |  |
| **Optional Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **1 hour** |
| ***Assignment****: Students must complete the weekly assignment(s).* | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: NINR Research Initiatives**  **Write** a response to the following question in the discussion forum: What is the importance of the main research initiatives of NINR?  *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Three.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Three. | | 3.2, 3.3 | Posting and responding to three students=  **1 hour** |
| **Discussion Question: Analysis of Data from Questions**  **Review** the Types of Questions handout.  **Choose** three of the question types.  **Describe** how you would analyze the data you would be able to gather using those questions. Justify your responses.  *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Three.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Three. | | 3.4, 3.5, 3.6 | Posting and responding to three students=  **1 hour** |
| **Journal: Nursing Research**  **Review** the National Institute of Nursing Research website at <http://www.ninr.nih.gov/aboutninr/ninr-mission-and-strategic-plan>  **Write** a 150- to 250-word journal entry answering the following questions:   * What important outcomes have been generated by nursing research? Provide a citation for your research. * How does nursing research affect nursing practices?   **Submit** your journal to your instructor via Blackboard. | | 2.1, 2.2 | Journal – analyze and compose reflection =  **30 min** |
| **Assignment: Research Project: Tool and Permission Letter**  **Submit** your Tool and Permission Letter, including your Cover Letter and a link to the SurveyMonkey version of your instrument, to your instructor via Blackboard no later than 11:59 p.m. EST on Thursday. | | 7.4 | Ongoing Project =  **1 hour** |
| **Week 3 Quiz: Data Analysis**  **Complete** the Week 3 Quiz: Data Analysis by Sunday, 11:59 PM (EST) of Week Three. | | 3.4, 3.5, 3.6 | Assessment – multiple choice with feedback =  **1 hour** |
| **Total** |  |  | **5 hours, 30 minutes** |
| **Notes** |  | | |

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| Week Four: Presentation of Data and Computer Usage | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Explain the results of simple statistical procedures described in a research report. | | CLO4, CLO9 | |
| * 1. Describe the characteristics of frequency distributions, and identify and interpret various descriptive statistics. | | CLO8 | |
| * 1. Prepare collected data for computer analysis. | | CLO7, CLO8 | |
| * 1. Utilize a computer program for data analysis. | | CLO7, CLO8 | |
| * 1. Investigate the various methods of tabular and graphic presentation of findings. | | CLO8 | |
| ***Required Learning Resources and Activities****: Students must complete any resources activities listed in this section as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Weekly Reading**  **Read** Ch. 12 of *Essentials of Nursing Research*.  **Post** questions and comments about the content of the reading in the Week Four General Q&A discussion forum on Blackboard. | | 4.1, 4.2 | Review reading & post response =  **30 minutes** |
| **Lecture: Presentation of Findings**  **Watch** the “Presentation of Findings” lecture, available on Vimeo (33:42): <https://vimeo.com/106648313>  **Post** any questions and comments about the lecture in the Week Four General Q&A discussion. | | 4.3, 4.5, 4.6 | Review lecture & post response =  **30 minutes** |
| **Lecture: Computer Analysis of Data**  **Resource:** Directions for Use of Excel to Calculate Descriptive Statistics handout  **Watch** the “Computer Analysis of Data” lecture, available on Vimeo (44:38): <https://vimeo.com/107648109>  **Post** any questions and comments about the lecture in the Week Four General Q&A discussion. | | 4.3, 4.4, 4.5 | Review lecture & post response =  **30 minutes** |
| **Optional Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **2 hours, 30 minutes** |
| ***Supplemental Learning Resources and Activities****: These resources and activities provide further exploration of content, supplemental information, and skill building. Students may complete items in this section on their own or as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** | |  | **1 hour** |
| ***Assignment****: Students must complete the weekly assignment(s).* | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: Practical Excel Usage**  **Write** a response to each of the following questions in the discussion forum:   * How could you use Excel in other facets of your personal and professional life? * What are your biggest challenges in using Excel, both for this course and for other areas of your life? * What resources can you find to address training challenges in Excel?   *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Four.  **Write** a substantive response to a minimum of three different students.  **Identify** at least one additional training resource in your response that addresses that student’s training challenge.  All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Four. | | 4.3, 4.4, 4.5 | Posting and responding to three students=  **1 hour** |
| **Assignment: Excel Sample Data Entry**    **Read** the Sample Data handout.  **Enter** the sample data using Excel.  **Submit** the data in an Excel spreadsheet to your instructor in Blackboard. | | 4.2, 4.3 | Assignment – identification and classification =  **30 min** |
| **Assignment: Research Processes in Nursing – Descriptive Statistics**    **Review** the Sample Data handout.  **Complete** the Research Processes in Nursing – Descriptive Statistics Worksheet.  **Submit** your worksheet to your instructor via Blackboard. | | 4.3, 4.4 | Assignment – identification and classification =  **30 min** |
| **Assignment: Research Processes in Nursing – Tables and Figures**  **Review** the Sample Data handout.  **Complete** the Research Processes in Nursing – Tables and Figures Worksheet.  **Submit** your worksheet to your instructor via Blackboard. | | 4.3, 4.4 | Assignment – identification and classification =  **30 min** |
| **Assignment: Research Project: Chapter 2**  **Submit** your Chapter 2 to your instructor via Blackboard no later than 11:59 p.m. EST on Thursday. | | 7.4 | Ongoing Project =  **1 hour** |
| **Week 4 Quiz: Presentation of Data**  **Complete** the Week 4 Quiz: Presentation of Datano later than 11:59 p.m. EST on Sunday. | | 4.1, 4.5 | Assessment – multiple choice with feedback =  **30 min** |
| **Upcoming Assignment: Research Project: Chapter 3 (Presentation of Data)**  **Write** Chapter 3 of your Research Project, including all the following elements:   * Data presented in appropriate form, including tables, graphs, and so on, as necessary.   *Note*. Chapter 3 will be due in Week Five of this course. | | 7.4 |  |
| **Total** |  |  | **3 hours** |
| **Notes** |  | | |

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| Week Five: Writing a Research Paper and Discussion | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Interpret the results of data analysis. | | CLO8, CLO9 | |
| * 1. Present conclusions based on interpretation of data analysis. | | CLO10 | |
| * 1. Determine recommendations based on study results. | | CLO11 | |
| * 1. Describe implications of conclusions for nursing practice and/or education. | | CLO11, CLO12 | |
| * 1. Describe methods for translating conclusions through a proposed plan of action. | | CLO10, CLO11, CLO12 | |
| * 1. Apply the rules and knowledge of good writing to communicate the research process and findings to others. | | CLO10 | |
| ***Required Learning Resources and Activities****: Students must complete any resources activities listed in this section as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Weekly Reading**  **Read** Ch. 13of *Essentials of Nursing Research*.  **Post** questions and comments about the content of the reading in the Week Five General Q&A discussion forum on Blackboard. | | 5.6 | Review reading & post response =  **30 minutes** |
| **Writing the Research Paper Lecture**  **Watch** the “Writingthe Research Paper” lecture, available on Vimeo (30:09): <https://vimeo.com/106642784>  **Post** questions and comments about the content of the lecture in the Week Five General Q&A discussion forum on Blackboard. | | 5.2, 5.3, 5.4, 5.5, 5.6 | Review lecture & post response =  **30 minutes** |
| **Interpretations, Conclusions, Recommendations, and Implications Lecture**  **Watch** the “[Interpretations, Conclusions, Recommendations, and Implications](http://synergiseducation.com/academics/schools/Gwynedd-Mercy/nur412/interpretations/presentation_html5.html)” lecture.  **Post** questions and comments about the content of the lecture in the Week Five General Q&A discussion forum on Blackboard. | | 5.2, 5.3, 5.4, 5.5, 5.6 | Review lecture & post response =  **30 minutes** |
| **Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **2 hours, 30 minutes** |
| ***Supplemental Learning Resources and Activities****: These resources and activities provide further exploration of content, supplemental information, and skill building. Students may complete items in this section on their own or as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Optional Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **1 hour** |
| ***Assignment****: Students must complete the weekly assignment(s).* | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: Implications and Recommendations from Abstract or Conclusion**    **Read** the Novice Nursing Abstract.  **Create** a list of implications and recommendations based on the information in the abstract.  **Write** a justification for each of the implications and recommendations on your list as necessary or proper result based on the abstract.  **Post** your list and justifications in the discussion forum.  *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Five.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Five. | | 5.1, 5.2, 5.3, 5.4 | Posting and responding to three students=  **1 hour** |
| **Assignment: Research Project: Creating an Action Plan**  **Write** a brief action plan for those who participated in your study, based on the implications of the research.  *Note*. The action plan should be no more than 300 words, translating the implications into actionable elements and plans targeted toward those who participated in your study.  **Submit** your action plan to your instructor via Blackboard. | | 7.4 | Assignment – identification and classification =  **30 min** |
| **Assignment: Research Project: Chapter 3**  **Submit** your Chapter 3 to your instructor via Blackboard no later than 11:59 p.m. EST on Thursday. | | 7.4 | Ongoing Project =  **2 hour** |
| **Week 5 Quiz: Implication, Conclusion, Recommendation, Or Limitation**  **Complete** the Week 5 Quiz: Implication, Conclusion, Recommendation, or Limitation Quiz no later than 11:59 p.m. EST on Sunday. | | 5.2, 5.3, 5.4, 5.5, 5.6 | Assessment – multiple choice with feedback =  **30 min** |
| **Upcoming Assignment: Research Project: Chapter 4 (Discussion)**  **Write** Chapter 4 of your Research Project, including all the following elements:   * Conclusions * Recommendations * Implications for nursing * Translation into nursing practice   *Note*. Chapter 4 will be due in Week Six of this course. | | 7.4 |  |
| **Upcoming Assignment: Final Research Presentation**  **Create** a 5- to 8-minute, 6- to 10-slide presentation using Microsoft PowerPoint, Prezi, Adobe Connect, or similar software, with narration or a speaker’s script that addresses the following prompts:   * State the purpose of your research project and the rationale for choosing it. * Describe your data-gathering instrument and the sample you used. * Present your major overall results. * Present the implications for nursing and your translation into nursing practice.   *Note*. This presentation is due in Week Seven of the course. | | 7.4, 7.5 |  |
| **Total** |  |  | **4 hours** |
| **Notes** |  | | |

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| Week Six: Ethics and the Critique of Historical and Experimental Research | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Identify the ethical components of conducting research. | | CLO5, CLO6 | |
| * 1. Explain how the rights of subjects and others are protected during the research process. | | CLO5 | |
| * 1. Critique the designs of historical and experimental nursing research studies. | | CLO4, CLO6 | |
| ***Required Learning Resources and Activities: Students must complete any resources activities listed in this section as selected by the instructor.*** | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Weekly Reading**  **Read** Ch. 5 of *Essentials of Nursing Research.*  **Post** questions and comments about the content of the reading in the Week Six General Q&A discussion forum on Blackboard. | | 6.1, 6.2, 6.3 | Review reading & post response =  **30 minutes** |
| **Video: Ethics in Research Lecture**  **Watch** the “Ethics in Research” lecture, available on Vimeo (22:34): <https://vimeo.com/106641044>  **Post** any questions and comments about the lecture in the Week Six General Q&A Discussion Board. | | 6.1, 6.2 | Review lecture & post response =  **30 minutes** |
| **Video: Analysis of Historical and Experimental Research Lecture**    **Watch** the “Analysis of Historical and Experimental Research Design” lecture, available on Vimeo (5:57): <https://vimeo.com/106641043>    **Post** any questions and comments about the lecture in the Week Six General Q&A Discussion Board. | | 6.3 | Review lecture & post response =  **30 minutes** |
| **Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** |  |  | **2 hours, 30 minutes** |
| ***Supplemental Learning Resources and Activities****: These resources and activities provide further exploration of content, supplemental information, and skill building. Students may complete items in this section on their own or as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Optional Adobe Connect Session**  **Connect** to your professor’s Adobe Connect session.  **Participate** in a discussion of the status of the research project and the weekly assignments.  *Note*. Those who are unable to attend the Adobe Connect session will be expected to watch the recorded session. | | *7*.4 | On-line meeting/ virtual class meeting=  **1 hour** |
| **Total** | |  | **1 hour** |
| ***Assignment: Students must complete the weekly assignment(s).*** | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: Ethical Considerations**  **Read** the Ethical Research Critique handout.  **Write** an analysis of the ethical considerations that the researchers included in their research design, explicitly answering the following questions:   * What ethical aspects of research were addressed in this study? * What ethical aspects of research were not addressed in this study?   *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Six.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Six. | | 6.1, 6.2 | Posting and responding to three students=  **1 hour** |
| **Assignment: Historical Research Critique**  **Read** the article “Sister Elizabeth Kenny, an Australian Nurse, and Treatment of Poliomyelitis Victims.”  **Complete** the Historical Research Critique Worksheet.  **Submit** your completed worksheet to your instructor via Blackboard. | | 6.3 | Assignment – identification and classification =  **30 min** |
| **Assignment: Experimental Research Critique**  **Read** the article “Mindfulness Based Stress Reduction in Post-Treatment Breast Cancer Patients: An Examination of Symptoms and Symptom Cluster.”  **Complete** the Experimental Research Critique Worksheet.  **Submit** your completed worksheet to your instructor via Blackboard. | | 6.3 | Assignment – identification and classification =  **30 min** |
| **Assignment: Research Project: Chapter 4**  **Submit** your Chapter 4 to your instructor via Blackboard no later than 11:59 p.m. EST on Thursday. | | 7.4 | Ongoing Project =  **2 hour** |
| **Week 6 Quiz: Ethics**  **Complete** the quiz by Sunday, 11:59 PM (EST) of Week Six. | | 6.1, 6.2 | Assessment – multiple choice with feedback =  **1 hour** |
| **Total** |  |  | **5 hours** |
| **Notes** |  | | |

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| Week Seven: Research Utilization | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Contribute to research efforts by nurses and other health care professionals. | | CLO9, CLO10, CLO11, CLO12 | |
| * 1. Discuss utilization strategies for researchers and practicing nurses. | | CLO10, CLO11, CLO12 | |
| * 1. Identify barriers to research utilization and evidence-based practice. | | CLO10, CLO11, CLO12 | |
| * 1. Complete a comprehensive research paper addressing a nursing problem. | | CLO3, CLO4, CLO5, ClO6, CLO7, CLO8, CLO9, CLO10, CLO11, CLO12 | |
| * 1. Disseminate research findings through poster and oral presentation to fellow class members. | | CLO10, CLO11, CLO12 | |
| ***Required Learning Resources and Activities****: Students must complete any resources activities listed in this section as selected by the instructor.* | | ***Alignment*** | ***Pages/AIE/***  ***Generic*** |
| **Weekly Reading**  **Read** Ch. 2 of *Essentials* *of* *Nursing Research*.  **Read** the article “A Framework for the Dissemination and Utilization of Research for Health-Care Policy and Practice.”  **Post** questions and comments about the content of the reading in the Week Seven General Q&A discussion forum on Blackboard. | | 7.1, 7.2, 7.3 | Review reading & post response =  **30 minutes** |
| **Evidence-Based Practice and Research Utilization Lecture**  **Watch** the “Evidence-Based Practice and Research Utilization” lecture, available on Vimeo (41:03): <https://vimeo.com/106640566>  **Post** questions and comments about the content of the lecture in the Week Seven General Q&A discussion forum on Blackboard. | | 7.1, 7.2, 7.3 | Review lecture & post response =  **30 minutes** |
| **Total** |  |  |  |
| ***Assignment****: Students must complete the weekly assignment(s).* | | ***Alignment*** | ***Points/AIE/***  ***Generic*** |
| **Discussion Question: Research Utilization**  **Write** a response to the following questions in the discussion forum:   * What is the importance of replication? * How much evidence is necessary for a change in practice? * Describe an incident from your clinical experience, which identifies how evidence-based practice or research was integrated into your clinical setting. * Why would replication of research studies be considered an integral part of the research process?   *Note*. Initial answers to the discussion question must be substantive and in the range of 250–400 words. Any references should be properly cited following APA formatting guidelines. Initial discussion question responses are due by 11:59 p.m. (Eastern Time) on Thursday of Week Seven.  **Write** a substantive response to a minimum of three different students. All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Seven. | | 7.1, 7.2, 7.3 | Posting and responding to three students=  **1 hour** |
| **Week 7 Quiz**  **Complete** the Week 7 Quiz by Sunday, 11:59 PM (EST) of Week Seven. | | 7.1, 7.2, 7.3 | Assessment – multiple choice with feedback =  **30 hour** |
| **Assignment: Final Research Project**    **Submit** your completed Final Research Project to your instructor in Blackboard no later than 11:59 p.m. (EST) on Thursday of Week Seven. | | 7.4, 7.5 | Ongoing Project =  **1 hour** |
| **Assignment: Final Research Presentation**  **Create** a 5- to 8-minute, 6- to 10-slide presentation using Microsoft PowerPoint, Prezi, Adobe Connect, or similar software, with narration or a speaker’s script that addresses the following prompts:   * State the purpose of your research project and the rationale for choosing it. * Describe your data-gathering instrument and the sample you used. * Present your major overall results. * Present the implications for nursing and your translation into nursing practice.   **Post** your presentation in the Final Research Presentation forum.    *Note*. Initial presentation postings are due by 11:59 p.m. (Eastern Time) on Thursday of Week Seven.  **Review** every presentation submitted by your peers.  **Comment** on every presentation by answering the following questions about each:   * What was the most surprising implication of this presentation? * How do you see this research influencing your work environment?   All responses must be posted by 11:59 p.m. (Eastern Time) on Sunday of Week Seven. | | 7.4, 7.5 | Ongoing Project =  **4 hour** |
| **Total** |  |  | **6 hours, 30 minutes** |
| **Notes** |  | | |

# Breakdown of Academic Instructional Equivalencies

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| **Week 1** |  |  |
| Required |  | 9.5 hours |
| Supplemental |  | 1.5 hours |
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| **Week 2** |  |  |
| Required |  | 8.75 hours |
| Supplemental |  | 1 hour |
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| **Week 3** |  |  |
| Required |  | 8.5 hours |
| Supplemental |  | 1 hour |
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| **Week 4** |  |  |
| Required |  | 5.5 hours |
| Supplemental |  | 1 hour |
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| **Week 5** |  |  |
| Required |  | 6.5 hours |
| Supplemental |  | 1 hour |
|  |  |  |
| **Week 6** |  |  |
| Required |  | 7.5 hours |
| Supplemental |  | 1 hour |
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| **Week 7** |  |  |
| Required |  | 7.5 hours |
| Supplemental |  |  |
|  |  |  |
|  |  |  |
| **Total Required Hours** |  | 53.75 hours |
| **Total Supplemental Hours** |  | 6.5 hours |
| **Total Hours** |  | 60.25 hours |