# Course Description

This course provides an introduction to various research designs and methodologies common to the field of counseling. Upon completing the course, students will become better consumers and critics of research, examine the role that research plays to inform practice, and possess the skills to independently conduct evaluations of their work and program to inform practice. **Prerequisite: A course in undergraduate statistics or research or permission of the Program Director.**

# University Learning Outcomes (ULO)

* **ULO1:** Communication Skills
* **ULO2:** Professional Competency
* **ULO3:** Moral and Ethical Judgment
* **ULO4:** Problem Solving
* **ULO5:** Critical Thinking
* **ULO6:** Leadership in Society
* **ULO7:** Critical and Competent Use of Technology

# Program Learning Outcomes (PLO)

* **PLO1:** Establish a counseling identity. (ULO1, 3, 4, 5)
* **PLO2:** Exhibit a strong consistent counseling disposition. (ULO1, 3, 4, 5)
* **PLO3:** Demonstrate proficiency in counseling knowledge and skills as outlined in the 2016 CACREP Standards as applicable to each student concentration area. (ULO1, 2, 3, 4, 5)
* **PLO4:** Demonstrate a multicultural sensitivity, knowledge and competency. (ULO1, 3, 5)
* **PLO5:** Implement the ethical guidelines of the American Counseling Association and its divisions in all counseling practice. (ULO2, 3, 4)
* **PLO6:** Use evidence-based intervention and assessment techniques. (ULO2,4)
* **PLO7:** Articulate the necessity of counseling advocacy and engage in advocacy activities with regard to the Mercy tradition. (ULO5)
* **PLO8:** Engage in life-long learning. (ULO1, 2, 3, 4)

# Course Learning Outcomes (CLO)

* **CLO1:** Examine the role of professional literature to inform practice.
* **CLO2:** Differentiate between the various research designs and methodologies.
* **CLO3:** Critically analyze and evaluate research studies.
* **CLO4:** Conduct practice and program evaluation to inform practice.

# 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.

# Academic Integrity

Academic integrity is fundamental to the activities and principles of a university. All members of the academic community must be confident that each person’s work has been reasonably and honorably acquired, developed, and presented. Any effort to gain an advantage not given to all students is dishonest, whether or not the effort is successful. The academic community regards breaches of the academic integrity rules as extremely serious matters. Sanctions for such a breach may include academic sanctions from the instructor, including failing the course for any violation, disciplinary sanctions ranging from probation to expulsion. When in doubt about plagiarism, paraphrasing, quoting, collaboration, or any other form of cheating, consult the course instructor.

# Required Course Materials

Patten, M. L. (2017). *Understanding research methods: An overview of the essentials* (10th ed.). Glendale, CA: Pyrczak Publishing.

ISBN: 978-0415790529

The American Psychological Association. (2012). *Publication manual of the American Psychological Association* (6th ed.). Washington, DC: Author.

ISBN: 978-1433805615

Wright, R. J. (2014). *Research methods for counseling*. Thousand Oaks, CA: Sage Publications.

ISBN: 978-1452203942

# Student Accessibility Services

Gwynedd Mercy University is committed to providing reasonable accommodations for all persons with disabilities.  If you have a disability-related need for modifications or reasonable accommodations in this course, please contact the office of Student Accessibility Services located in Counseling Services, The Griffin Complex; call [215-646-7300](tel:215-646-7300)ext. 427, or visit the Student Accessibility Services web page [www.gmercyu.edu/student-life/campus-resources/student-accessibility-services](http://www.gmercyu.edu/student-life/campus-resources/student-accessibility-services) .  If the documentation supports your request for reasonable accommodations, the Student Accessibility services office will provide you with an accommodation letter. Please share this letter with me as early in the course as possible so that we may discuss the accommodations.

If you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please inform me immediately.

# Suggested Point Values

|  |  |  |
| --- | --- | --- |
| **Assessment** | **Point Value** | **Due** |
| **Week 1** |  |  |
| Discussion: Qualitative Versus Quantitative | 20 |  |
| Discussion: Research Sources | 20 |  |
| Blog: Research Article Summary | 30 |  |
| Research Study Type Presentation | 30 |  |
| **Week 2** |  |  |
| Discussion: Research Study Types Presentation Review | 20 |  |
| Discussion: Topic Selection and Development of Research Questions | 20 |  |
| Synthesis Matrix | 50 |  |
| Research Proposal | 30 |  |
| **Week 3** |  |  |
| Blog: Reliability and Validity | 20 |  |
| Research Method Proposal, Part 1 | 40 |  |
| Discussion: Research Proposal Peer Review | 20 |  |
| Literature Review Introduction | 30 |  |
| Discussion: Literature Review Introduction Peer Review | 10 |  |
| **Week 4** |  |  |
| Data Collection Tools | 40 |  |
| Discussion: Data Collection Tools Peer Review | 20 |  |
| Research Method Proposal, Part 2 | 40 |  |
| Discussion: Research Method Proposal, Part 2 Peer Review | 20 |  |
| Quiz | 60 |  |
| **Week 5** |  |  |
| Compile Data | 10 |  |
| Graph Data | 40 |  |
| Literature Review | 50 |  |
| **Week 6** |  |  |
| Discussion: Conclusion | 20 |  |
| Research Method Proposal, Part 3 | 40 |  |
| Discussion: Research Method Proposal, Part 3 Peer review | 20 |  |
| **Week 7** |  |  |
| Discussion: Ethics in Research | 20 |  |
| Abstract | 10 |  |
| **Research Project** | 250 |  |
| Self-Assessment | 20 |  |
| **Total Points** | **1000** |  |

# Course Schedule

|  |  |  |
| --- | --- | --- |
| **Week** | **Start** | **End** |
| One | <insert start date> | <insert end date> |
| Two |  |  |
| Three |  |  |
| Four |  |  |
| Five |  |  |
| Six |  |  |
| Seven |  |  |

# Weekly Learning Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Week One: Types of Research** | | | |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Apply the concepts of quantitative and qualitative research to your topic. | | CLO1, CLO2 | |
| * 1. Analyze the research design in the literature. | | CLO1, CLO2 | |
| * 1. Examine research methodologies. | | CLO2, CLO3 | |
| * 1. Investigate the literature to address important questions in the field. | | CLO1 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **Weekly Participation and Discussion**  The purpose of the weekly discussions is to provide you with a way to synthesize the concepts presented in this course. Each week, you will respond to the discussion questions with a substantive post of 200 to 250 words that addresses all the prompts for the question by 11:59 p.m. EST of the listed due date. By the conclusion of each week, Sunday at 11:59 p.m. EST, you will make at least one substantive comment of 100 to 150 words to 3 of your classmates’ posts for each assigned discussion question. Your comments must further the discussion by following the RISE model for meaningful feedback. It is recommended that you check in periodically throughout the week to ensure that you are meeting the participation requirement.  **Review** the RISE Model for Peer Feedback. | | N/A |  |
| **Lectures**  **Watch** the following:   * [Course Introduction](https://cloud.ensemblevideo.com/hapi/v1/contents/permalinks/a3QEt89H/view) (2:57)  * [Top Ten Practical and Common Mistakes When Writing a Research Paper](https://cloud.ensemblevideo.com/hapi/v1/contents/permalinks/Pa59Fjo8/view) (4:01)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course | Lecture = 1 hour |
| **Readings**  **Read** the following:   * Topics 1–9, 12, 13, & 51 of *Understanding Research Methods* * Ch. 3 & 17 of *Research Methods for Counseling* | | 1.1, 1.2, 1.4 |  |
| **Videos**  **Watch** the following:   * [Psychological Research - Crash Course Psychology #2](https://youtu.be/hFV71QPvX2I) (10:50) * [Qualitative vs. Quantitative](https://youtu.be/2X-QSU6-hPU) (9:02) * [Quantitative Research Designs: Descriptive non-experimental, Quasi-experimental or Experimental?](https://youtu.be/10nMNh3RMp0) (6:37)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 1.1, 1.2, 1.3 | Video = 1 hour |
| **Personal Introductions**  **Write** a post introducing yourself to the class. Discuss the following in your post:   * Your likes, dislikes, family, and hobbies * What you do in your professional life * Your short- and long-term goals (professionally and personally) * Anything else you would like us to know about you   **Post** your introduction by 11:59 p.m. (Eastern time) on Thursday.  **Review** your classmates’ introductions.  **Respond** to some of your classmates’ posts (all of them if you wish). | | N/A |  |
| **Library Resource Video Tutorials**  **Watch** the following:   * [Access Research Guides (LibGuides) at Keiss Library](http://www.screencast.com/t/hs70wBZ89RtH) (2:01) * [Remote Access to Keiss Library's Research Databases](http://www.screencast.com/t/UgO0wRmZsam) (1:19) * [Education Source - Part One: Search for Articles on a Topic](http://www.screencast.com/t/nxH7zFpj9w) (2:53) * [Education Source - Part Two: Narrow and Focus Your Search](http://www.screencast.com/t/1J1FLBZ9) (2:40) * [Education Source - Part Three: Access and Retrieve Articles](http://www.screencast.com/t/USuqwBBB) (2:30) * [ERIC - Part One: Search for Articles on a Topic](http://www.screencast.com/t/VmhLDDfbbt) (3:01) * [ERIC - Part Two: Narrow and Focus Your Search](http://www.screencast.com/t/iG5BIXz425) (2:01) * [ERIC - Part Three: Access and Retrieve Articles](http://www.screencast.com/t/yMN18GPzh) (1:36) * [Request an Article or Book through InterLibrary Loan](http://www.screencast.com/t/eKEeL00PqSc) (1:52) * [Search for Books by Author or Title in Keiss Library Catalog](http://www.screencast.com/t/xKdJ3BDJR2ek) (2:06) * [Search for Books by Subject in Keiss Library Catalog](http://www.screencast.com/t/54Y7PBbPR) (1:43) * [Search for a Thesis by Subject or Author in Keiss Library Catalog](http://www.screencast.com/t/NUaLM4fuv0jy) (2:09)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course | Video = 1 hour |
| **PowerPoint Presentation With Audio Narration Tutorials**  You will need to submit a narrated presentation this week. The following are some tutorials you can use to familiarize yourself with this functionality in PowerPoint:   * [Add or delete audio in your PowerPoint presentation](https://support.office.com/en-us/article/Add-or-delete-audio-in-your-PowerPoint-presentation-c3b2a9fd-2547-41d9-9182-3dfaa58f1316?ui=en-US&rs=en-US&ad=US#OfficeVersion=2013,_2016) * [Record a slide show with narration and slide timings](https://support.office.com/en-us/article/Record-a-slide-show-with-narration-and-slide-timings-0b9502c6-5f6c-40ae-b1e7-e47d8741161c#OfficeVersion=2013,_2016) | | N/A | Tutorial = .25 hour |
| ***Supplemental Resources and Activities***  *Explore these optional resources to deepen your understanding.* | | ***Alignment*** | ***AIE*** |
| **Adobe Connect Live Discussion**  **Review** [Adobe Connect Resources](https://sites.gmercyu.edu/student-resources/adobe-connect-resources/).  **Participate** in the scheduled live session with the course instructor. This session will provide an overview of the course and discuss the major assignments in the course.  **Prepare** to ask questions concerning the content of the week and the course as a whole.  *Note:* A recorded lecture will be made available to those who are unable to attend the live session. | | Course | Live Discussion: lecture and discussion = **1 hour** |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Discussion: Qualitative Versus Quantitative**  **Read** Topics 7, 8, & 51 of *Understanding Research Methods.*  **Watch** [Qualitative vs. Quantitative](https://youtu.be/2X-QSU6-hPU) (9:02).  **Post** a clear and logical response in 150 to 200 words to the following, providing specific examples to support your answers:   * What is the difference between qualitative and quantitative research? Provide examples of both using the topic you are interested in for your research paper. Does your topic lend itself more toward qualitative, qualitative, or both?   *Note:* Initial answers to the questions are due by 11:59 p.m. (Eastern time) on Thursday.  **Respond** to at least 3students in a manner that is thought provoking and that appropriately challenges or elevates the discussion. All responses must be posted by 11:59 p.m. (Eastern time) on Sunday. | | 1.1 | Discussion: one post and replies to three other posts = **1 hour** |
| **Discussion: Research Sources**  **Read** the following:   * [Research Project Requirements](https://blackboard.gmercyu.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_1059943_1&course_id=_1153443_1) * Topics 12 & 13 of *Understanding Research Methods* * Ch. 3 & 17 of *Research Methods for Counseling*   **Watch** Top Ten Practical and Common Mistakes When Writing a Research Paper (4:01).  **Post** a clear and logical response in 150 to 200 words to the following, providing specific examples to support your answers:   * Define a *primary source*, *secondary source*, and *gray literature*. What is a peer-viewed journal? What is the best source for research papers? Why? What are three peer-reviewed journals that would be appropriate for you to use based on a topic on research you are considering? Are you comfortable using the library resources to locate journals?   *Note*: Initial answers to the questions are due by 11:59 p.m. (Eastern time) on Thursday.  **Respond** to at least 3students in a manner that is thought provoking and that appropriately challenges or elevates the discussion. All responses must be posted by 11:59 p.m. (Eastern time) on Sunday. | | 1.4 | Discussion: one post and replies to three other posts = **1 hour** |
| **Blog: Research Article Summary**  **Read** Topics 1–6 & 9 of *Understanding Research Methods*.  **Watch** [Psychological Research - Crash Course Psychology #2](https://youtu.be/hFV71QPvX2I) (10:50).  You will be designing a research study. You will analyze fabricated data regarding your study and discuss implications as well as future practices. This is a research project you could implemented in the real world.  **Locate** a peer-reviewed journal article on the topic you are interested in choosing for your research project.  **Write** a 1-page-or-less summary of the article that answers the following:   * Does the research measure qualitative data, quantitative data, or both? * What type of research design was used (true experimental design, pre-experimental design, or quasi-experimental design)? * What type of research was conducted (survey, poll, causal-comparative study, case study, causal comparative research, correlational research, or historical research)? * What variables were controlled? * What were the independent or dependent variables? * What was the sample? * How were the variables measured?   **Submit** your blog post with a link to your article or attach your article by 11:59 p.m. (Eastern time) on Sunday. | | 1.2 | Blog = 1 hour |
| **Research Study Type Presentation**  **Watch** [Quantitative Research Designs: Descriptive non-experimental, Quasi-experimental or Experimental?](https://youtu.be/10nMNh3RMp0) (6:37).  You will be assigned one of the following:   * Survey research (non-experimental) (Ch. 13) * Program evaluation (Ch. 16 and Topic 9) * Exploratory (non-experimental) (Ch. 15) * Case study (quasi-experimental) (Topic 50) * Comparative (non-experimental) * Historical Research (non-experimental) * Pre-test and post-test designs (quasi-experimental) (Ch. 14, pp. 406–425) * Meta-analysis design (non-experimental) * Action research method (Ch. 6) * Mixed methods (Ch. 15)   **Research** your assigned research design methodology. The required textbooks for this course have key information on your assigned topic and should be referenced in your presentation.  **Prepare** a 10- to 15-slide PowerPoint, Prezi, or any other online presentation software that instructs the class about the components of your research design. Be sure to include record audio narration or detailed speaker notes.  **Include** the following elements in your presentation:   * The purpose of the method * The essential characteristics * The steps involved * The type of data collected * The methods of data analysis * The pros and cons   **Post** your presentation in the Week Two Discussion: Research Study Types Presentation Review by 11:59 p.m. (Eastern time) on Sunday.  **Submit** your presentationby 11:59 p.m. (Eastern time) on Sunday. | | 1.3 | Library Research = 1 hour |
| **Total** |  |  | **7.25 hours** |

# Faculty Notes

**Research Study Type Presentation:** This assignment can be done as individuals, in pairs, or in small groups. If you choose to allow students to work on this assignment as a pair or small group, be sure to tell students that everyone in the pair or small group needs to submit the presentation for grading. Choose your desired setup, and assign the topics before the course starts. You are encouraged to provide specific examples of possible research topics for students in the Adobe Connect session.

**Adobe Connect:** Consider posting an announcement asking students to submit any questions or topics they'd like addressed ahead of time. The instructor can then utilize those questions that come up in the first part of the week to tailor the live Adobe Connect class session that would be scheduled toward the later part of the week. That 1-hour synchronous session will allow students the opportunity to go over any questions they had with the homework and clarify any misconceptions they have about the course content. All Adobe Connect sessions should be recorded and a link to the recording be posted to the course page so any student who misses the session can review it later in the week.

*Note:* It is the instructor’s choice as to what day they will schedule the Adobe Connect Live Session, but it is recommended that they schedule this session for Wednesday of the week so students have plenty of time to review their homework prior to the deadline on Sunday.

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| Week Two: Research Topic and Research Questions | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Develop your research topic and research questions. | | CLO1 | |
| * 1. Develop your research design. | | CLO2, CLO3 | |
| * 1. Apply APA style guidelines to your writing. | | CLO1 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **Readings**  **Read** the following:   * [Five Steps to a Great Title](http://blog.apastyle.org/apastyle/2010/07/five-steps-to-a-great-title.html) * [Writing A Literature Review and Using a Synthesis Matrix](http://guides.library.vcu.edu/ld.php?content_id=1720465) * Topics 15–17, 22–24, & 57, as well as Appendices A & B, of *Understanding Research Methods* * Ch. 7, pp. 158–164, of *Research Methods for Counseling*   **Review** pp. 494 & 495 of *Research Methods for Counseling.* | | 2.1, 2.2, 2.3 |  |
| **Videos**  **Watch** the following:   * [Setting up the APA Title Page](https://youtu.be/vtMLil6EfGg) (2:54) * The first 5 minutes and 36 seconds [Basics of APA- In-Text Citations](https://youtu.be/agXQATse7NQ) (6:40) * [Picking Your Topic IS Research!](https://youtu.be/Q0B3Gjlu-1o) (3:10) * [”Developing a Research Question](https://youtu.be/LWLYCYeCFak)” by [Steely Library NKU](https://www.youtube.com/user/nkulibrary) is licensed under [CC BY-NC 4.0](https://creativecommons.org/licenses/by-nc/4.0/) (4:33) * [Independent, Dependent and Confounding Variables in Quantitative Research](https://youtu.be/mFIvsqVir48) (7:47)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 2.1, 2.2, 2.3 | Video = 1 hour |
| **Research Project Preparation**  **Review** [Research Paper Requirements](https://blackboard.gmercyu.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_1059946_1&course_id=_1153443_1)  For the research project, due at the end of the course, you will need to cite 6–8 peer-reviewed journal articles. You will want to start locating these articles sooner rather than later.  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| ***Supplemental Resources and Activities***  *Explore these optional resources to deepen your understanding.* | | ***Alignment*** | ***AIE*** |
| **Readings**  **Read** the following:   * APA 6th Edition Guidelines Quick Reference Card * APA Help Guide * [Sample APA Research Paper](http://www.thewritesource.com/apa/apa.pdf) | | 2.3 |  |
| **Videos**  **Watch** the following:   * [Develop a research question that works](https://youtu.be/8aYA1ooRce8) (4:55) * [APA formatting: Word 2013](https://youtu.be/nCUdBpuTvNQ) (9:03)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 2.1, 2.3 | Video = .5 hour |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Discussion: Research Study Types Presentation Review**  **Review** all presentations to help you determine the research method you will utilize for your research project.  **Post** a clear and logical response in 150 to 200 words to at least 3 presentations, providing constructive criticism, clarification, additional questions, or your own relevant thoughts in a manner that is thought provoking and that appropriately challenges or elevates the discussion. Try to ensure that every presentation receives feedback. All responses must be posted by 11:59 p.m. (Eastern time) on Sunday. | | 1.3 | Discussion: one post and replies to three other posts = **1 hour** |
| **Discussion: Topic Selection and Development of Research Questions**  **Read** Topic 24 of *Understanding Research Methods*.  **Review** pp. 494 & 495 of *Research Methods for Counseling.*  **Watch** the following:   * [Picking Your Topic IS Research!](https://youtu.be/Q0B3Gjlu-1o) (3:10) * ["Developing a Research Question"](https://youtu.be/LWLYCYeCFak) by [Steely Library NKU](https://www.youtube.com/user/nkulibrary) is licensed under [CC BY-NC 4.0](https://creativecommons.org/licenses/by-nc/4.0/) (4:33)   As you read and watch this week’s resources on research design and research papers, begin to formulate your research questions and gather resources to ensure you have good research questions.  **Post** a clear and logical response in 150 to 200 words to the following:   * What topics are you considering for your research project? What did you learn in your reading or while watching the videos that will aid you in your research process? What struggles are you encountering regarding research? Have you learned any strategies that would help other students? What do you believe will be your biggest obstacles with this research project? What are some ways to overcome these struggles?   *Note:* Initial answers to the questions are due by 11:59 p.m. (Eastern time) on Thursday.  **Respond** to at least 3students in a manner that is thought provoking and that appropriately challenges or elevates the discussion. In your responses, share ideas for your classmates on their topic, ways to navigate the library resources, or additional information you think might be help others with their research. All responses must be posted by 11:59 p.m. (Eastern time) on Saturday. | | 2.1 | Discussion: one post and replies to three other posts = **1 hour** |
| **Synthesis Matrix**  **Resource:** [Writing A Literature Review and Using a Synthesis Matrix](http://guides.library.vcu.edu/ld.php?content_id=1720465)  **Read** Topics 15–17 and Appendices A & B of *Understanding Research Methods.*  **Watch** the following:   * The first 5 minutes and 36 seconds of [Basics of APA- In-Text Citations](https://youtu.be/agXQATse7NQ) (6:40). * [Purdue OWL: APA Formatting: Reference List Basics](https://youtu.be/HpAOi8-WUY4) (3:18)   **Complete** a synthesis matrix on your topic using four references and include APA reference page.  **Submit** your synthesis matrix by 11:59 p.m. (Eastern time) on Sunday. | | 1.4, 2.3 | Library Research = 1 hour |
| **Research Proposal**  **Read** the following:   * Topic 22–24 & 57 of *Understanding Research Methods* * Ch. 7, pp. 158–164, of *Research Methods for Counseling*   **Watch** [Independent, Dependent and Confounding Variables in Quantitative Research](https://youtu.be/mFIvsqVir48) (7:47).  **Write** 400 to 800 words discussing the importance of your selected topic within the field of your choosing:   * Research topic and rationale for selecting this topic * Independent and dependent variables * Research questions and hypothesis   **Format** your paper according to APA guidelines.  **Submit** your topic introduction by11:59 p.m. (Eastern time) on Sunday. | | 2.1, 2.2 | Library Research = 1 hour |
| **Total** |  |  | **5 hours** |

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| Week Three: Research Design | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Analyze the research literature on your selected topic. | | CLO1 | |
| * 1. Analyze research design in terms of validity and reliability. | | CLO2, CLO3 | |
| * 1. Formulate your research design, and identify your participants. | | CLO4 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **Readings**  **Read** the following:   * Topics 14, 25–41, 53, 54, 83, & 84, as well as Appendices B & C of *Understanding Research Methods* * Ch. 9 and pp. 335–351 of *Research Methods for Counseling* * [Five Steps to a Great Title](http://blog.apastyle.org/apastyle/2010/07/five-steps-to-a-great-title.html) | | 2.3, 3.1, 3.2, 3.3 |  |
| **Videos**  **Watch** the following:   * [Sampling: Simple Random, Convenience, systematic, cluster, stratified - Statistics Help](https://youtu.be/be9e-Q-jC-0) (4:53) * [04 Sampling Population Sample and Generalizability](https://youtu.be/IOBYsdgGhVw) (7:01) * [Purdue OWL: APA Formatting: Reference List Basics](https://youtu.be/HpAOi8-WUY4) (3:18) * [Setting up the APA Title Page](https://youtu.be/vtMLil6EfGg)(2:36) * [Reliability & Validity](https://youtu.be/9ltvDNAsO-I) (8:18)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 2.3, 3.1, 3.2, 3.3 | Video = 1 hour |
| **Smarthinking**  **Review** the Quick Start Guide and student handbook.  **Watch** [Smarthinking\_Introduction](http://www.youtube.com/watch?v=wpvWfPhstQM) (1:49).  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | N/A | Video = .25 hour |
| **Research Project Preparation**  **Review** [Research Project Requirements](https://blackboard.gmercyu.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_1059951_1&course_id=_1153443_1)  For the research project, due at the end of the course, you will need to cite 6–8 peer-reviewed journal articles. You will want to start locating these articles sooner rather than later.  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Blog: Reliability and Validity**  **Read** the following:   * Topics 35–41, 53, & 54 of *Understanding Research Methods* * pp. 335–351 of *Research Methods for Counseling*   **Watch** [Reliability & Validity](https://youtu.be/9ltvDNAsO-I) (8:18).  **Post** a clear and logical response to the following, providing specific examples to support your answers:   * Regarding your research topic and design, what are some limitations of your study and design? What are some confounding variables? What are some threats to validity and reliability? What are some ways to counteract these threats? * Discuss any potential problems with the research design. What are the limitations of the type of research you plan to conduct (for example, search on the Internet for limitations of survey for ideas)? * Discuss any potential problems with the participants, as well as how you can counteract the limitations, if possible. * Discuss any potential problems with the data collection tools, as well as how you can counteract the limitations, if possible. * Discuss any potential problems with the research procedures, as well as how you can counteract the limitations, if possible.   **Submit** your blog by 11:59 p.m. (Eastern time) on Thursday.  **Review** your classmates’ posts.  **Post** any questions, comments, or observations to share with the class. | | 3.2 | Blog = 1 hour |
| **Research Method Proposal, Part 1**  **Read** the following:   * Topics 25–34 & 84 of *Understanding Research Methods* * Ch. 9 of *Research Methods for Counseling*   **Watch** the following:   * [Sampling: Simple Random, Convenience, systematic, cluster, stratified - Statistics Help](https://youtu.be/be9e-Q-jC-0) (4:53) * [04 Sampling Population Sample and Generalizability](https://youtu.be/IOBYsdgGhVw) (7:01)   **Write** 1 to 2 pages in which you do the following:   * Restate the following: * The topic you are selecting * The rationale for selecting this topic * Your research questions, with revision based on feedback   *Note*: Although the sources discuss the importance of having sufficient numbers for a study, your study will not need to follow these guidelines. For example, you may have a 6-student group for anxiety.   * **Research Design** (subheading)    + Identify the research approach for your study (quantitative, qualitative, or mixed methods).   + Discuss the design of research (case study, program evaluation, survey, self-monitoring, etc.).   + Identify why this design and method are the best option given your project.   + Identify the type of sampling. * **Participants** (subheading)    + Identify your participants (age, characteristics, etc.).   + Explain why you selected this particular individual or group to be studied. Describe the presenting problem of the client or clients if applicable. Mention any background about this person, group, or program that might help the reader understand the significance of your research. Please do not use first person.   **Post** your Research Method Proposal, Part 1 in the Research Method Proposal, Part 1 Peer Review discussion forum by 11:59 p.m. (Eastern time) on Thursday.  **Review** the peer feedback you received, and **revise** as appropriate.  **Submit** your revised Research Methods Proposal, Part 1 by 11:59 p.m. (Eastern time) on Sunday. | | 3.3 | Library Research = 1 hour |
| **Discussion: Research Method Proposal, Part 1 Peer Review**  **Review** all the research proposals.  **Post** feedback and critique to at least three research proposals by 11:59 p.m. (Eastern time) on Saturday. Discuss the following in your feedback:   * Is the topic appropriate and described in enough detail to establish the importance of the study? * Are the research questions clear and concise? Are they measurable? * Is it clear who the participants would be? Are they described clearly? Do the participants fit the project? * Is the sampling method appropriate for the proposed project? Why or why not? * Could another sampling method be helpful? * Any suggestions to improve the research design?   *Note:* This review should not be focused on spelling, grammar, or mechanics. Your reviews should critically examine the appropriate application of the research methods, given the proposed project. | | 3.3 | Discussion: one post and replies to three other posts = **1 hour** |
| **Literature Review Introduction**  **Read** the following:   * Topics 14 & 83 and Appendices B & C in of *Understanding Research Methods* * [Five Steps to a Great Title](http://blog.apastyle.org/apastyle/2010/07/five-steps-to-a-great-title.html)   **Watch** the following:   * [Setting up the APA Title Page](https://youtu.be/vtMLil6EfGg)(2:36). * [Purdue OWL: APA Formatting: Reference List Basics](https://youtu.be/HpAOi8-WUY4) (3:18)   **Write** a minimum 2-paragraph literature review introduction that discusses the following:   * Identify the broad problem area. * Indicate why the problem is important to study. * Define a key variable. * Include the following:    + Supporting statistics (Appendix B)   + 3 to 5 peer-reviewed articles   + An APA-formatted title page and reference page   *Note:* For Week 5, you will need to write a 3- to 5-page literature review.  **Post** your title page, literature review introduction, and reference page in the Literature Review Introduction Peer Review discussion forum by 11:59 p.m. (Eastern time) on Thursday.  **Submit** your literature review introduction to Smarthinking by Thursday. Take a screenshot of your submission, as you will submit this screenshot with your revised literature review introduction.  **Review** the Smarthinking feedback, and **make** changes as appropriate to your paper.  **Review** the peer feedback you received on your literature review introduction, and **revise** as appropriate.  **Submit** your revised title page, literature review introduction, reference page, and Smarthinking screenshot by 11:59 p.m. (Eastern time) on Sunday. | | 1.4, 2.3, 3.1 | Library Research = 1 hour |
| **Discussion: Literature Review Introduction Peer Review**  **Resource:** Appendix Cof *Understanding Research Methods*  **Review** all the literature review introductions.  **Post** feedback and a critique to at least 3 literature review introductions by 11:59 p.m. (Eastern time) on Saturday. Discuss the following in your feedback:   * Did the introduction get you interested in the topic? * Did the introduction define the topic? * Did the introduction state the prevalence and impact of the topic? * Is there anything that should be added or that is missing? * Was this paper written clearly with correct APA formatting?   *Note:* This review should not be focused on spelling, grammar, or mechanics. Your reviews should critically examine the appropriate application of the research methods, given the proposed project. | | 1.4, 2.3, 3.1 | Discussion: one post and replies to three other posts = **1 hour** |
| **Total** |  |  | **6.25 hours** |

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| Week Four: Descriptive Statistics and Your Research Tool | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Calculate measures of central tendencies. | | CLO3, CLO4 | |
| * 1. Identify properties of scales of measurement. | | CLO3, CLO4 | |
| * 1. Develop your research collection tool. | | CLO4 | |
| * 1. Design your procedure methodology. | | CLO4 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **Readings**  **Read** the following:   * Topic 85 of *Understanding Research Methods* * Ch. 13 of *Research Methods for Counseling* | | 4.3, 4.4 |  |
| **Mean, Median, and Mode**  **Read** Topics 62–65 of *Understanding Research Methods*.  **Watch** the following Khan Academy videos:   * [Statistics intro: Mean, median, and mode | Data and statistics | 6th grade | Khan Academy](https://youtu.be/h8EYEJ32oQ8) (8:53) * [Finding mean, median, and mode | Descriptive statistics | Probability and Statistics | Khan Academy](https://youtu.be/k3aKKasOmIw) (3:54)   **Complete** the [Mean, median, and mode](https://www.khanacademy.org/math/probability/data-distributions-a1/summarizing-center-distributions/e/mean_median_and_mode) practice activity.  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 4.1 | Video: .5 hour |
| **Scales of Measurement:**  **Read** the following:   * Topics 58–60 of *Understanding Research Methods* * Ch. 7 of *Research Methods for Counseling*   **Watch** the following:   * [Measures of Central Tendency](https://vimeo.com/album/3136738/video/113967285) (3:54) * [Nominal, ordinal, interval and ratio data: How to Remember the differences](https://youtu.be/LPHYPXBK_ks) (11:03)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 4.2 | Video: .5 hour |
| **Research Project Preparation**  **Review** [Research Paper Requirements](https://blackboard.gmercyu.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_1059956_1&course_id=_1153443_1)  For the research project, due at the end of the course, you will need to cite 6–8 peer-reviewed journal articles. You will want to start locating these articles sooner rather than later.  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Data Collection Tools**  **Read** Ch. 13 of *Research Methods for Counseling* and the following (if applicable to your study):   * [How to Create a Survey](http://m.wikihow.com/Create-a-Survey) * [4 Common Sense Tips for Creating Surveys that Work](https://www.qualtrics.com/blog/creating-surveys/) * [Cognitive Behavioral Therapy (CBT) Worksheets, Handouts, And Self-Help Resources](https://psychologytools.com/download-therapy-worksheets.html) * [How To: Teach Students to Change Behaviors Through Self-Monitoring](https://www.interventioncentral.org/self_management_self_monitoring) * [Self-Monitoring: Equipping Students to Manage Their Own Behavior in the Classroom](https://vkc.mc.vanderbilt.edu/assets/files/resources/psiSelfmonitoring.pdf) * [Self-Check Behavior Checklist Maker](https://www.interventioncentral.org/tools/self-check-behavior-checklist-maker)   **Prepare** your data collection protocol, such as observation forms, interview questions, survey questions, self-monitoring forms, etc. Remember to keep your tool short and concise.  **Include** a list of resources used to develop your tool.  *Note:* Any references used should be properly cited following APA formatting guidelines.  **Post** your data collection tools in the Data Collection Tools Peer Review discussion forum by 11:59 p.m. (Eastern time) on Thursday.  **Review** the peer feedback you received on your tools, and **revise** as appropriate.  **Submit** your revised tools, list of resources, and reference page (if applicable) by 11:59 p.m. (Eastern time) on Sunday. | | 4.3 | Library Research = 1 hour |
| **Discussion: Data Collection Tools Peer Review**    **Review** all the research data collection tools.  **Post** feedback and critique to at least 3 data collection tools by 11:59 p.m. (Eastern time) on Saturday. Discuss the following in your feedback:   * Is the tool detailed? Will it provide clear data? Is it measuring what it should? * Can any improvements be made to the tool to make it more user friendly? * Is the language bias or leading? * Are there any weaknesses to this tool? * Are there any tools that would seem to be more appropriate for the data collection? Explain why or why not.   *Note*: This review should not be focused on spelling, grammar, or mechanics. Your reviews should critically examine the appropriate application of the sampling methods given the proposed project. | | 4.3 | Discussion: one post and replies to three other posts = **1 hour** |
| **Research Method Proposal, Part 2**  **Read** the following:   * Topic 85 of *Understanding Research Methods* * Ch. 13 of *Research Methods for Counseling*   **Write** 1 to 2 pages discussing the following:   * **Materials and** **Measures** (subheading)    + Identify the tools that you plan to use for collecting data (survey, interview, observation, etc.). Describe each tool in detail. Justify the selection, purpose, and creation of the protocols and tools. Any weaknesses of the tool should be outlined.   + Discuss how each tool is necessary to gain your desired data. (Please remember to keep it simple for the purposes of the project.) * **Procedure (Activities)** (sub-heading)    + Provide a step-by-step accounting of how the project will be carried out. * Identify what happens first, second, third, etc. (Begin with how participants will be invited to participate, review the Informed consent details, etc.).   **Post** your Research Method Proposal, Part 2 in the Research Method Proposal, Part 2 Peer Review discussion forum by 11:59 p.m. (Eastern time) on Thursday.  **Review** the peer feedback you received on your Research Method Proposal, Part 2, and **revise** as appropriate.  **Submit** your revised Research Method Proposal, Part 2 by 11:59 p.m. (Eastern time) on Sunday. . | | 4.3, 4.4 | Library Research = 1 hour |
| **Discussion: Research Method Proposal, Part 2 Peer Review**  **Review** all the research method proposals.  **Post** feedback and critique to at least 3 Research Method Proposals by 11:59 p.m. (Eastern time) on Saturday. Discuss the following in your feedback:   * Are the tools clearly defined and appropriate for the study? Do you feel they measure what they are purported to measure? * Are the procedures given in enough detail that this study could be replicated by other researchers? * Do you have a clear understand of how this research will be conducted? * Do you have any suggestions to improve the research design?   *Note*: This review should not be focused on spelling, grammar, or mechanics. Your reviews should critically examine the appropriate application of the research methods, given the proposed project. | | 4.3, 4.4 | Discussion: one post and replies to three other posts = **1 hour** |
| **Quiz** | | 4.1, 4.2 | Quiz = 1 hour |
| **Total** |  |  | **6 hours** |
| Week Five: Graphing Research Data and Literature Review | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Compile data to illustrate findings. | | CLO4 | |
| * 1. Evaluate moral and ethical issues in research. | | CLO1 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **IRB Resources**  **Review** the following:   * IRB Student/Investigator Handbook * IRB010A - Adult Consent Form * IRB010B - Assent Minor Participant - age 7-14 years * IRB010C - Assent Minor Participant - age 15-17 years * IRB010D - Parental Permission for a Minor Child | | 5.2 |  |
| **Readings**  **Read** Topic 61 of *Understanding Research Methods.*  **Review** Appendix Cof *Understanding Research Methods.* | | 5.1 |  |
| **Videos**  **Watch** the following:   * [A Beginner's Guide to Graphing Data](https://youtu.be/9BkbYeTC6Mo) (10:37) * [How to make a line graph in Excel (Scientific data)](https://youtu.be/Xn7Sd5Uu42A) (6:41): Even though this video teaches you how to make a line graph in Excel, you can use this information to make any type of graph.   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 5.1 | Video = .5 hour |
| **Research Project Preparation**  **Review** [Research Paper Requirements.](https://blackboard.gmercyu.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_1059963_1&course_id=_1153443_1)  For the research project, due at the end of the course, you will need to cite 6–8 peer-reviewed journal articles. You will want to start locating these articles sooner rather than later.  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| **Smarthinking**  **Review** the Quick Start Guide and student handbook.  **Watch** [Smarthinking\_Introduction](http://www.youtube.com/watch?v=wpvWfPhstQM) (1:49).  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Compile Data – Fabricated Data**  **Resource;** [Research Project Requirements](https://blackboard.gmercyu.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_1059959_1&course_id=_1153443_1)  **Create** raw data for your study. For the purposes of this project, data will be made up by you, as this is an exercise in how to graph and interpret data. Your data should match the procedure you wrote for last week’s assignment. Keep it simple for the purposes of the project. Keep in mind that next week you will interpret this data and discuss the implications.  Examples:   * If the data tool you created last week had 5 weeks monitoring of self-deprecating statements daily, then 35 data points should be provided. * If your data tools were a pre- and post-survey after a social skills group, then your data would be the frequency count for your questions.   **Submit** your raw data by 11:59 p.m. (Eastern time) on Thursday. | | 5.1 | Library Research = 1 hour |
| **Graph Data**  **Read** Topic 61 of *Understanding Research Methods*.  **Watch** the following:   * [A Beginner's Guide to Graphing Data](https://youtu.be/9BkbYeTC6Mo) (10:37) * [How to make a line graph in Excel (Scientific data)](https://youtu.be/Xn7Sd5Uu42A) (6:41): Even though this video teaches you how to make a line graph in Excel, you can use this information to make any type of graph.   **Create** graphs using the raw data you created earlier this week. Will you use line, scatter, bar, histogram, or pie graphs? For one of your graphs, create 2 ways to view your data. Is one way better than the other? Explain why.   * For example, if you had a pre- and post-test of 4 questions, you could create 4 graphs comparing the same pre-and post-questions.   **Submit** your graphs by 11:59 p.m. (Eastern time) on Sunday. | | 5.1 | Library Research = 1 hour |
| **Literature Review**  **Resource:** Research Project Requirements  **Review** Appendix Cof *Understanding Research Methods.*  **Write** 3–5 pages that synthesizes your review of the literature.   * Include your literature review introduction from Week 3. * Include a 10–12 sources, with 6–8 from peer-review professional journals. * For your sources, avoid providing a summary of each source. Instead, group the articles together and discuss. * The literature review will end with a statement of your research question or questions to be addressed.   **Format** your paper according to APA guidelines.  **Submit** your literature review to Smarthinking by Thursday. Take a screenshot of your submission, as you will submit this screenshot with your final literature review.  **Review** the Smarthinking feedback, and **make** changes as appropriate to your literature review.  **Submit** your literature review and Smarthinking screenshot by 11:59 p.m. (Eastern time) on Sunday. | | 1.4, 3.1 | Library Research = 1 hour |
| **Total** |  |  | **4.5 hours** |

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| Week Six: Research Discussion and Conclusion | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Analyze the results of the research study. | | CLO3, CLO4 | |
| * 1. Apply descriptive statistics to data. | | CLO2, CLO3 | |
| * 1. Discuss implications of results, as well as how this can inform practice. | | CLO4 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **Readings**  **Read** the following:   * Topics 85–87 of *Understanding Research Methods* * [APA Format: Using Tables and Figures](https://www.svsu.edu/media/writingcenter/APA%20Tables%20and%20Figures.pdf) * [Organizing Your Social Sciences Research Paper: 9. The Conclusion](http://libguides.usc.edu/writingguide/conclusion) | | 2.3, 6.1, 6.2, 6.3 |  |
| **Video**  **Watch** the following:   * [Choosing which statistical test to use - statistics help](https://youtu.be/rulIUAN0U3w) (9:32) * [Choosing the Right Statistical Test 1 of 4](https://youtu.be/riCvVbnCVvc) (6:17) * [How to write the Discussion part 1](https://youtu.be/6YG6bvSAfsY) (8:28) * [APA Video 5](https://youtu.be/zuE4jdynxUM) (6:21) * [How to write a conclusion](https://youtu.be/pvs9IpA5O2s) (4:12)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 2.3, 6.1, 6.2, 6.3 | Video =1.25 hours |
| **Research Project Preparation**  **Review** Research Paper Requirements.  Your research project is due next week. Review the feedback you have been receiving throughout the course, and start putting your final research project together. Please do not hesitate to ask questions if you have any.  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Discussion: Conclusion**  **Read** [Organizing Your Social Sciences Research Paper: 9. The Conclusion](http://libguides.usc.edu/writingguide/conclusion).  **Watch** [How to write a conclusion](https://youtu.be/pvs9IpA5O2s) (4:12).  **Post** a clear and logical response in 150 to 200 words to the following, providing specific examples to support your answers:   * Write a conclusion that summarizes your paper by restating your purpose, what you did, how you did it, what you found, and your recommendations for future counselors or therapist as well as future research.   *Note*: Initial answers to the questions are due by 11:59 p.m. (Eastern time) on Thursday.  **Respond** to at least 3 students in a manner that is thought provoking and that appropriately challenges or elevates the discussion. Did the conclusion follow a logical order? Was it presented well, and was it easily understood? Were all important aspects of the research discussed? All responses must be posted by 11:59 p.m. (Eastern time) on Sunday. | | 6.1, 6.3 | Discussion: one post and replies to three other posts = **1 hour** |
| **Research Method Proposal, Part 3**  **Read** Topics 85–87 of *Understanding Research Methods*.  **Watch** the following:   * [Choosing which statistical test to use - statistics help](https://youtu.be/rulIUAN0U3w) (9:32) * [Choosing the Right Statistical Test 1 of 4](https://youtu.be/riCvVbnCVvc) (6:17) * [How to write the Discussion part 1](https://youtu.be/6YG6bvSAfsY) (8:28)   **Write** the results section of your paper:  **Data Analysis:**     * Provide a brief overview of the type of data (categorical, ordinal, nominal, narrative, etc.) that will be collected by each data collection tool, and determine the best way to analyze the results. Discuss the use of descriptive statistics, inferential statistics, coding, categorizing and theme analysis, etc., if applicable. * Explain how you calculated your results. The results section is not for interpreting the results; interpretation belongs in the discussion section. * Discuss and display your results using visual graphics: Display the most relevant information in the graphs, figures, and tables.   **Write** the discussion section your paper.  **Interpretation of Data:**   * This is the section where you begin to interpret your data and begin to make conclusion regarding your data. Be careful with your language, as you cannot prove something, but you can suggest a correlation. Do not make broad generalizations.   + Was your intervention, program, or therapy effective? Was there a trend? How does this link to the literature review and previous research? Do your results agree or disagree with previous research?   + Are your findings consistent? Did you find something surprising or inconsistent?   **Limitations:**   * Discuss any potential problems with the research design. What are the limitations of the type of research you plan to conduct (for example, search the Internet for limitations of survey for ideas)? * Discuss any potential problems with the participants, as well as how you can counteract the limitations, if possible. * Discuss any potential problems with the data collection tools, as well as how you can counteract the limitations, if possible. * Discuss any potential problems with the research procedures, as well as how you can counteract the limitations, if possible.   **Post** your Research Method Proposal Part 3 in the Research Method Proposal, Part 3 Peer Review discussion forum by 11:59 p.m. (Eastern time) on Thursday.  **Review** the peer feedback you received on your Research Method Proposal, Part 3, and **revise** as appropriate.  **Submit** your revised Research Method Proposal, Part 3 by 11:59 p.m. (Eastern time) on Sunday. | | 6.1, 6.2, 6.3 | Library Research = 1 hour |
| **Discussion: Research Method Proposal, Part 3 Peer review**  **Review** all the research method proposals.  **Post** feedback and critique to at least 3 Research Method Proposals by 11:59 p.m. (Eastern time) on Saturday. Discuss the following in your feedback:   * Were you able to understand how results were calculated? Could you understand the findings? * Are the sections well written? Do they follow APA formatting? * Are the results linked to the literature review and previous research? * Are the limitations of the research discussed? * Do you have any suggestions to make these sections better?   *Note*: This review should not be focused on spelling, grammar, or mechanics. Your reviews should critically examine the appropriate application of the research methods, given the proposed project. | | 6.1, 6.2, 6.3 | Discussion: one post and replies to three other posts = **1 hour** |
| **Total** |  |  | **4.25 hours** |

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| Week Seven: Abstract and Final Research Project | |  |  |
| ***Learning Objectives*** | | ***Alignment*** | |
| * 1. Summarize your research in an abstract. | | CLO3 | |
| * 1. Evaluate your knowledge of research design, practice, and program evaluation to inform practice. | | CLO4 | |
| ***Resources, Activities, and Preparation***  *Utilize these resources and complete these activities in preparation for your graded assignments.* | | ***Alignment*** | ***AIE*** |
| **Readings**  **Read** the following:   * Topics 10, 11, & 82 and Appendix D of *Understanding Research Methods* * Ch. 2 & 17 of *Research Methods for Counseling*   **Review** Professional Mandates on pp. 456–459 in *Research Methods for Counseling.* | | 5.3, 7.1, 7.2 |  |
| **Videos**  **Watch** the following:   * [How to Write an Abstract: Content](https://www.youtube.com/watch?v=szwkBea4qv0) (2:51). * Top Ten Practical and Common Mistakes When Writing a Research Paper (4:01)   **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | 7.1 | Video = .25 hour |
| **Smarthinking**  **Review** the Quick Start Guide and student handbook.  **Watch** [Smarthinking\_Introduction](http://www.youtube.com/watch?v=wpvWfPhstQM) (1:49).  **Post** any questions, comments, or observations to share with the class in the General Q & A discussion forum on Blackboard. | | Course |  |
| ***Supplemental Resources and Activities***  *Explore these optional resources to deepen your understanding.* | | ***Alignment*** | ***AIE*** |
| **Reading**  **Review** the [Sample APA Research Paper](http://www.thewritesource.com/apa/apa.pdf). | | 2.3 |  |
| ***Graded Assignments***  *Complete these graded assessments by the end of the week unless specified otherwise.* | | ***Alignment*** | ***AIE*** |
| **Discussion: Ethics in Research**  **Resources:**   * IRB Student/Investigator Handbook * IRB010A - Adult Consent Form * IRB010B - Assent Minor Participant - age 7–14 years * IRB010C - Assent Minor Participant - age 15–17 years * IRB010D - Parental Permission for a Minor Child   **Read** the following:   * Topic 10 & 11 of *Understanding Research Methods* * Ch. 2 of *Research Methods for Counseling*   **Post** a clear and logical response in 150 to 200 words to the following, providing specific examples to support your answers:   * Why it is important to protect human subjects? Provide an example when this did not occur. * Did you make any changes to your research methodology after completing this training? If so, what were they? * What provisions would you put in place to protect the research participants in your study? * If you were to conduct this study, would you need informed consent? What is your informed consent procedure?   *Note*: Initial answers to the questions are due by 11:59 p.m. (Eastern time) on Thursday.  **Respond** to at least 3 students in a manner that is thought provoking and that appropriately challenges or elevates the discussion. All responses must be posted by 11:59 p.m. (Eastern time) on Sunday. | | 5.3 | Discussion: one post and replies to three other posts = **1 hour** |
| **Abstract**  **Read** Topic 82 and Appendix D of *Understanding Research Methods.*  **Watch** [How to Write an Abstract: Content](https://www.youtube.com/watch?v=szwkBea4qv0) (2:51).  **Write** a 150- to 250-word paragraph discussing the key points of your research:   * Research topic * Research question or questions * Participants * Methods * Results * Discussion * Conclusion   *Note:* Abstracts also discuss results, data analysis, and conclusions, but you will not be including these because you are not conducting the study.  **Format** your abstract following APA guidelines, with a running head and title page.  **Submit** your Abstract by 11:59 p.m. (Eastern time) on Thursday. | | 7.1 |  |
| **Research Project**  **Resource:** Research Project Requirements  **Review** the following:   * Research Project Guidelines * Ch. 17 of *Research Methods for Counseling*   **Watch** Top Ten Practical and Common Mistakes When Writing a Research Paper (4:01).  **Use** your Weeks 1–6 assignments and peer and instructor feedback to write your research project. Include all the elements outlined in the Research Project Requirements document.  **Format** your paper according to APA guidelines.  **Submit** your paper to Smarthinking by Thursday. Take a screenshot of your submission, as you will submit this screenshot with your final paper.  **Review** the Smarthinking feedback, and **make** changes as appropriate to your paper.  **Submit** your research project and Smarthinking screenshot by 11:59 p.m. (Eastern time) on Sunday. | | Course | Library Research = 1 hour  Guided Project = 7 hours |
| **Self-Assessment**  **Review** Professional Mandates on pp. 456–459 in *Research Methods for Counseling.*  **Write** a 350- to 700-word paper in which you address the following:   * How do you rate yourself or assess your level and skill in your ability to conduct program evaluation or research? * What areas are your major strengths? * What areas are your major weaknesses? What are some strategies or approaches you could employ to improve in these areas? * What did you learn from going through this process?   **Format** your paper according to APA guidelines.  **Submit** your paper by 11:59 p.m. (Eastern time) on Sunday. | | 7.2 |  |
| **Total** |  |  | **9.25 hours** |

# Breakdown of Academic Instructional Equivalencies

|  |  |
| --- | --- |
|  | **AIE Hours** |
| **Week 1** |  |
| Required | 7.25 |
| Supplemental |  |
| **Week 2** |  |
| Required | 5 |
| Supplemental |  |
| **Week 3** |  |
| Required | 6.25 |
| Supplemental |  |
| **Week 4** |  |
| Required | 6 |
| Supplemental |  |
| **Week 5** |  |
| Required | 4.5 |
| Supplemental |  |
| **Week 6** |  |
| Required | 4.25 |
| Supplemental |  |
| **Week 7** |  |
| Required | 9.25 |
| Supplemental |  |
|  |  |
| **Total Required Hours** | 42.5 |
| **Total Supplemental Hours** |  |
| **Total Hours** |  |