

COURSE SYLLABUS COVER SHEET
Lewis & Clark College
Graduate School of Education and Counseling

Course Name	CPSY 538 – Section 1
Course Number	Advanced Research Methods
Term	Fall 2015
Department	Counseling Psychology
Textbooks/Materials	See attached
Faculty Name	Carol Doyle
Faculty Phone/E-mail	cdoyle@lclark.edu
Faculty Office	Rogers Hall 317

Course Description

Advanced Research Methods has been developed for those students who enter their Counseling Psychology program with a strong background (2 research methods/statistics courses and/or research assistantship as part of undergraduate degree.) This class will build on student's base of knowledge by providing an opportunity to learn about aspects of the research process in more detail. We will also learn about new and innovative designs and/or methods. Students will design a research project (hypothetical) utilizing a design or method that they have not studied and/or used before. Students planning to complete a thesis will refine their thesis topics, develop a research question, and begin their thesis proposal, including a literature review.

The structure of the class will include some lecture but primarily that of a research colloquium. Each meeting of the colloquium will cover a different broad topic with specifics determined by the class. Class will also provide the opportunity to present "problems" and/or issues that have come up as you design your projects.

Course Goals and Objectives:

The primary goal of this class is to further develop students' understanding of the research process specifically related to research related to their professions. Included will be an understanding of program evaluation, evidence based practice, and the use of research findings for program/practice improvement. An additional goal is to have students critically analyze published research and/or be able to conduct independent research.

The objectives of this class will be to provide opportunities to learn and apply the skills necessary for evaluating research, including analyzing published instruments, and conducting independent research, including needs assessments and program evaluation. Emphasis will be on the following components of the research process: research questions and hypotheses, research design including qualitative research, action research and program evaluation, operationalization of variables, and measurement issues. The impact of culture on research design and analysis will additionally be addressed.

By the end of the semester students will be able to:

- Identify various paradigms for conducting research
- Understand the process of developing a research project
- Write research questions and hypotheses
- Understand the ethical issues involved in working with human participants
- Identify and describe various types of quantitative research designs
- Identify and describe various types of qualitative research designs

- Identify the components and models of program evaluations, including needs assessments
- Identify and describe validity issues inherent in different types of designs
- Discuss the use of research findings for program change and practice improvement
- Discuss the issues involved in conducting real world research
- Discuss the impact of culture on various aspects of the research process
- Critically evaluate published research articles
- Write an Introduction and Literature Review for a research project (thesis students only)
- Design a proposal for research project

Additionally, the course will cover the objectives and competencies from your professional organizations. These include:

From the Marriage & Family Therapy Core Competencies & MCFT program standards

Students:

- Understand research and program evaluation methodologies, both quantitative and qualitative, relevant to MFT and mental health services.
- Demonstrate an understanding of process and outcome, research design, methodology, basic statistics, with research knowledge in individual and family counseling
- Understand the legal, ethical, and contextual issues involved in the conduct of clinical research and program evaluation.
- Recognize informal research processes involved in therapy, own biases relative to research
- Know the extant MFT literature, research, and evidence-based practice.
- Read current MFT and other professional literature and use the literature to inform clinical practice.
- Critique professional research and assess the quality of research studies and program evaluation in the literature.
- Determine the effectiveness of clinical practice and techniques.
- Utilize research and technology applications in marital, couple, and family counseling
- Recognize opportunities for therapists and clients to participate in clinical research when appropriate

From the CACREP Standards

Professional Identity Standards (CACREP 2009 Standards)

- 1j. Ethical standards of professional organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling
- 8a. The importance of research in advancing the counseling profession.
- 8b. Research methods such as qualitative, quantitative, single-case designs, action research, and outcome-based research.
- 8c. Statistical methods used in conducting research and program evaluation.
- 8d. Principles, models, and applications of needs assessment, program evaluation, and the use of findings to effect program modifications.
- 8e. The use of research to inform evidence-based practice; and
- 8f. Ethical and culturally relevant strategies for interpreting and reporting the results of research and/or program evaluation studies.
- 7c. Statistical concepts, including scales of measurement, measures of central tendency, indices of variability, shapes and types of distributions, and correlations;

- 7d. Reliability (i.e., theory of measurement error, models of reliability, and the use of reliability information);
- 7e. Validity (i.e., evidence of validity, types of validity, and the relationship between reliability and validity);

Clinical Mental Health Standards (CACREP 2009 Standards)

- B1. Demonstrates the ability to apply and adhere to ethical and legal standards in clinical mental health counseling.
- I1. Understands how to critically evaluate research relevant to the practice of clinical mental health counseling.
- I2. Knows models of program evaluation for clinical mental health programs

Course Calendar: See attached

Course Requirements: See attached

The graded requirements of the course differ dependent on whether or a student working toward admission to the M.S. and planning to complete a thesis or you are a student with a strong research background that is not planning to complete a thesis. Overall, the requirements of the course include, homework and in class assignments/class participation, article summaries and critiques, the development of a research article critique guide, and an introduction to a research proposal/literature review.

Attendance requirements: Class attendance is expected and required. Any missed class time will be made up by completing extra assignments designed by the instructor. Missing more than ten percent of class time may result in failure to complete the class. This would be 4.5 hours of a 45 hour class (3 credits), 3.0 hours for a 30 hour class (2 credits) or 1.5 hours for a 15 hour class (1 credit.) In case of extreme hardship and also at the discretion of the instructor, a grade of incomplete may be given for an assignment or the entire course. In such cases, the work to be submitted in order to remove the incomplete must be documented appropriately and stated deadlines met. Students are expected to be on time to class and tardiness may be seen as an absence that requires make-up work.

Late papers and assignments: Any assignments turned in late (without previous permission) will automatically receive a 10% reduction in grade.

Evaluation and Assessment:

Each assignment will be graded via a point system. Generally speaking, the following grades can be associated with the points for each assignment and for the final grade

93% of points possible	-	A
90 – 92% points possible	-	A-
88 – 89% or points possible	-	B+
83 - 87% of points possible	-	B
80 – 82% points possible	-	B-
78 – 79% or points possible	-	C+
73 - 77% of points possible	-	C
Less than 73%		D/F

Additionally, please note that if the basic requirements for an assignment are met, the points given will be associated with a B+. If one exceeds the requirements of the assignment there point total will

improve accordingly, Similarly, if the assignment does not meet the requirements point total will decrease accordingly. The points associated with each assignment are attached.

Late papers and assignments: Any assignments turned in late (without previous permission) will automatically receive a 10% reduction in grade.

Accommodations for Students with Special Needs and/or Disabilities:

If you have a disability that may impact your academic performance, you may request accommodations by submitting documentation to the Student Support Services Office in the Albany Quadrangle (x7156). After you have submitted documentation and filled out paperwork there for the current semester requesting accommodations, staff in that office will notify me of the accommodations for which you are eligible. Please notify me of any special learning considerations that I should be aware of so that we can work together to make the appropriate accommodations.

Authorization Levels: All levels

Partial Bibliography of Research Methods Related resources:

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

Cone, J.D. & Foster, S.L. (1993). *Dissertations and theses from start to finish*. Washington, DC: American Psychological Association.

Creswell (2007). *Qualitative Inquiry and Research Design: Choosing Among Five Approaches* (2nd ed). Thousand Oaks: Sage.

Creswell (2009) *Research Design: Qualitative & Quantitative, Quantitative, and Mixed Methods Approaches* (3rd Ed). Thousand Oaks: Sage

Denzin & Lincoln (2000). *Handbook of Qualitative Research* (2nd Ed.). Thousand Oaks: Sage

Galvan, J.L. (1999). *Writing Literature Reviews*. Los Angeles: Pyczak Publishing.

Heppner, P.P., Kivlighan, D. M., & Wampold, B.E. (1999). *Research Design in Counseling*. Pacific Grove, CA: Brooks/Cole.

Holcomb, Z.C. (1997). *Real data. A statistics workbook based on empirical data*. Los Angeles: Pyczak Publishing.

Holcomb, Z.C. (1997). *Interpreting Basic Statistics. A Guide and Workbook Based on Excerpts from Journal Articles*. Los Angeles: Pyczak Publishing.

Holcomb, Z.C. (1997). *Real data. A statistics workbook based on empirical data*. Los Angeles: Pyczak Publishing.

LeCompte & Schensul (1999). *Ethnographer's Toolkit*

Leong & Austin (2006). *The psychology research handbook. A guide for graduate students and research assistants* (2nd Ed.). Thousand Oaks, CA: Sage Publications

Pryczak, F. *Evaluating Research*. Los Angeles: Pryczak Publishing.

Patten, M.L. (2000). *Understanding Research Methods. An Overview of the Essentials*. Los Angeles: Pryczak Publishing

Maxwell, J. (1996). *Qualitative Research Design: An Interactive Approach (2nd Ed.)*. Thousand Oaks, CA: Sage

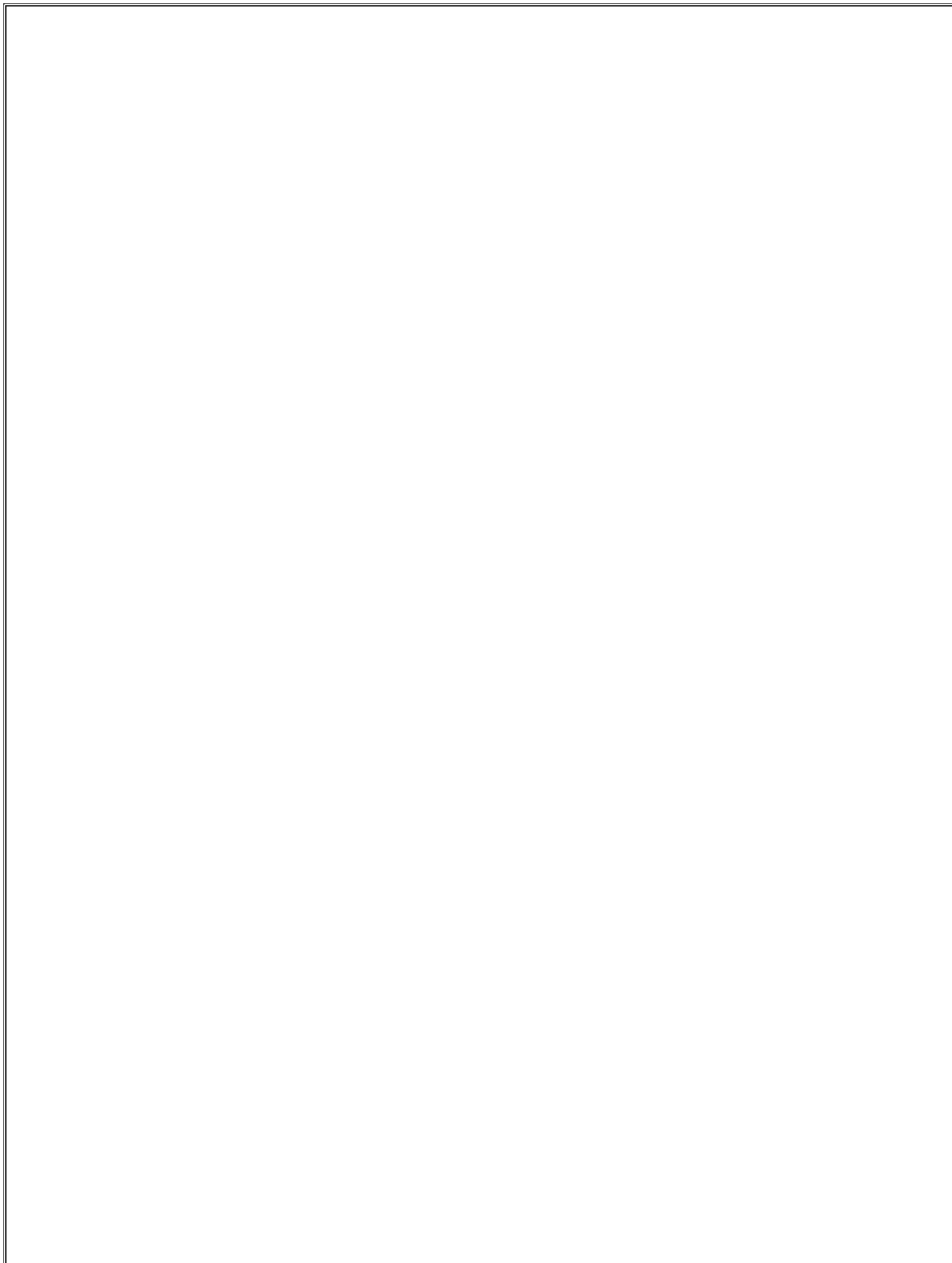
Mertens (2005). *Research & Evaluation in Education & Psychology (2nd Ed)*. Thousand Oaks, CA: Sage.

Moustakas, C. (1994). *Phenomenological Research Methods*. Thousand Oaks, CA: Sage.

Mertler, C.A. & Vannatta, R. A. (2005). *Advanced and Multivariate Statistical Methods. Practical Application and Interpretation (3rd Ed.)* Glendale, CA: Pryczak Publishing

Rosenthal, J.A.(2001). *Statistics and Data Interpretation for the Helping Professions*. Belmont, CA: Wadsworth/Thompson Learning

Weis, L. & Fine, M. (2000). *Speed bumps: A student-friendly guide to qualitative research*. New York: Columbia University, Teacher College Record.



CPSY 538
Advanced Research Methods
Fall Semester 2015
Wednesdays 5:30 – 8:45
Rogers Hall 220

Carol Doyle, Ph.D.

Office: Rogers Hall 317 Advising Hours: Friday 1:00 – 4:00; T/Th (by appt)

Phone: 768-6067

E-mail: cdoyle@lclark.edu

“Research is always carried out by an individual with a life and a lifeworld ..., a personality, a social context, and various personal and practical challenges and conflicts, all of which affect the research, from the choice of a research question or topic, through the method used, to the reporting of the project’s outcome. Most research textbooks do not bring the living reality of you, the researcher, into the discussion of research. We believe that the person is always at the center of the process in inquiry – that you will always be at the center of your own research, which in turn will always be a part of you” (Bentz, V. M. & Shapiro, J. J. (1998).

(Mindful Inquiry in Social Research, p 4.)

Course Description

Advanced Research Methods has been developed for those students who enter their Counseling Psychology program with a strong background (2 research methods/statistics courses and/or research assistantship as part of undergraduate degree.) This class will build on student’s base of knowledge by providing an opportunity to learn about aspects of the research process in more detail. We will also learn about new and innovative designs and/or methods. Students will design a research project (hypothetical) utilizing a design or method that they have not studied and/or used before. Students planning to complete a thesis will refine their thesis topics and begin developing a research question.

The structure of the class will be that of a research colloquium. Each meeting of the colloquium will cover a different broad topic with specifics determined by the class. Class will also provide the opportunity to present “problems” and/or issues that have come up as you design your projects.

Requirements:

The graded requirements of the course differ dependent on whether or a student working toward admission to the M.S. and planning to complete a thesis or you are a student with a strong research background that is not planning to complete a thesis. Overall, the requirements of the course include, weekly homework and/or in class assignments, quizzes, the development of a research article critique manual, a journal of questions from the reading, a research methods glossary, a group research project and/or introduction to a research plan, and summaries and critiques of a research articles.

The major requirement for thesis students will be to determine your topic/question and write a literature review that provides the research basis of your thesis.

Assignments and Points

Class Participation	70
Homework	60
Initial Problem Statement/Assignment	30
Reading Journal	30
Article Summaries/Critiques (3)	120
Critique Questions	25
Introduction	20
Research Design Template (2)	30
Literature Review	100
Thesis Presentation/Justification	15

Final grades will be based on a 500 point total and will be distributed as follows:

450 & above	A or A-
400 - 449	B+, B or B -
350 - 400	C
below 350	Fail

Late papers and assignments: Any assignments turned in late (without previous permission) will automatically receive a 10% reduction in grade.

Required Texts:

Mertens (2015). *Research and evaluation in education and psychology. Integrating diversity with quantitative, qualitative and mixed methods.* (4th Ed). Thousand Oaks, CA: Sage.

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

or

Swartz, B.M., Landrum, R.E., & Gurung, R.A. R. (2014) *An Easy Guide to APA Style (2nd Ed).* Thousand Oaks, CA: Sage

Supplementary Texts & Workbooks

Leong & Austin (1996). *The psychology research handbook. A guide for graduate students and research assistants.* Thousand Oaks, CA: Sage Publications

Cone, J.D. & Foster, S.L. (2006). *Dissertations and theses from start to finish (2nd Ed).* Washington, DC: American Psychological Association.

Tentative Course Schedule

Date	General Topic	Readings for Class	Assign/Hmwk DUE
Sept 9	Introduction Your Goals Thesis Overview What is my research worldview? Paradigms/lenses/ epistemologies Current understanding of Research Process		5pts
Sept 16	Special Assignment and Reading Developing and Refining a Research Problem Reviewing the Literature	Mertens Chap 1 & 3 Ch 11 318 - 327 Ch 13 pp. 448 – 464 Appendix Ponterotto, J. G. (2005).	Special Assignment H1
Sept 23	Qualitative Methods Topics to Be Covered/Reviewed <ul style="list-style-type: none"> • Methodological Considerations • Approaches • Sampling • Data Collection • Analysis <hr/> Recognizing Good research Critically Reviewing the Literature Thinking About Critiquing	Mertens Ch 8 & 9 APA manual 1 & 2 (Review Ch 3)	Special Assignment Due RQ & 30
Sept 30	Qualitative Data Collection	Mertens Ch 12 qualitative aspects	H 2- 15

Oct 7	Qualitative Analysis Critiquing Qualitative research/summarizing	Mertens Ch 13 qualitative aspects	Qualitative Research Template Due	15 pts
Oct 14	Participatory & Other Qualitative methods	review pp 238 - 240 (participatory action research) J of Social Action article Ch 12 participatory data collection	Qualitative Article Summary Critique due	40 points
Oct 21	Research on the Job – Program Evaluation & Needs Assessment	Mertens Ch 2	Bring article to class In class discussion	H 3 – 15 pts
Oct 28	Overview of Quantitative Topics to Be Covered/Reviewed <ul style="list-style-type: none"> • Designs • Design Validity/Threats • Sampling • Operationalizations • Analysis Recognizing Good research	Mertens Ch 4 – 7	Program Evaluation Summary/Critique	40 points
Nov 4	Defining Independent Variables Operationalizing Variables	Data collection reliability validity Ch 12 quantitative/post positivist aspects		H 4 - 15
Nov 11	Designs Descriptive Stats		Quantitative Template Due	15 points
Nov 18	Additional Stats review Critiquing Quantitative Research	Mertens 13 403- 423 ; 432 to 449	Quantitative Article Summary/Critique Due	40 pts
Nov 25	<i>Thanksgiving Break</i>	<i>No class</i>		

Dec 2	Mixed Methods	Mertens Ch 10	Intro Due with question Conceptual Therapy	20 pts
Dec 9	Ethics First person scenario Risks and Benefits Informed consent Critiquing Research Discussion	Mertens Ch 11 pp 347 – 358	Critique Guides	25 points
Dec 16	Thesis Presentations Thesis Lit Review Final (Discussion)		Lit Reviews Due	100 pts 15 pts

Key Required Assignments/Student Learning Outcomes*

These assignments are required for the course, but **will not be the only requirements/expectations**. The chart below lists the assignment, method of submission, and benchmark score/grade. These assignments are set up for upload to Taskstream and/or instructor provides rating for assignment. See syllabus for details.

	Proficient (A)	Benchmark (B)	Emerging (C)	Inadequate/Fail	As evidenced by:	Program Objective
Goal						
Students summarize and critique research relevant to counseling, addictions, and/or clinical mental health	90-100% Assignment scores	80% -89% Assignment scores	70% -79 Assignment scores		MHC 535: Article Summary Discussions/ Article Critique	9. Research and Assessment (2 of 7)

	Proficient (A)	Benchmark (B)	Emerging (C)	Inadequate/Fail	As evidenced by:	Program Objective
Goal						
Students understand models and methods of program evaluation	90-100% Assignment scores	80% -89% Assignment scores	70% -79 Assignment scores		MHC 535: Program Evaluation Article Summary/ Critique	9. Research and Assessment (3 of 7)

	Proficient (A)	Benchmark (B)	Emerging (C)	Inadequate/Fail	As evidenced by:	Program Objective
Goal						
Demonstrates an understanding of various types and designs of research relevant to counseling.	90-100% Assignment scores	80% -89% Assignment scores	70% -79 Assignment scores		MHC 535: Group Project: Development of a hypothetical mixed methods research proposal	9. Research and Assessment (4 of 7)

*All students will complete these assignments. However only PMHC/PMHC-A students will be required to upload assignments into Moodle