**Ph.D. in Higher Education Research Method Qualifying Exam**

PLEASE READ THE INSTRUCTIONS AND QUESTIONS CAREFULLY!

## Instructions:

There are two parts in the research method section of qualifying exam. First, you must answer *ALL* questions in part I and choose one of the two articles to critique for part II. Citations and references must be provided for all your answers.

## Part I:

1. As a higher education researcher, what does the term, “research ethics” mean to you? Please create your own research code of ethics.
2. Critically analyze and evaluate the condition of research in the field of higher education. Include in your discussion, at a minimum, the following factors:
	1. Research design and modes of inquiry and data collection and analyses
	2. The goal or ends of research
	3. The value and application of research outcomes
3. The most recent American Psychological Association (APA) Publication Manual and American Educational Research Association’s (AERA) Standards for Reporting on Empirical Social Science Research require researchers to report effect size in quantitative studies. Explain what effect size is and how it is different from statistical signitifance. Please provide two standardized effect size examples and how to calculate them.
4. Please explain the differences between qualitative and quantitative research in terms of epistemological assumptions, role of the researchers, methods of data collection and analysis, and strategies of validating the findings.
5. What are the assumptions in multiple regression analysis? Explain the robustness of each assumption.

## Part II:

You are provided in this exam two research articles. Please choose ONE article and provide critiques in terms of its literature review, research design and method, results, and conclusion. Please provide both positive and negative critiques. Your critique should be between 8-10 pages in length, double-spaced, excluding citations.

**Ed.D. in Higher Education Research Method Qualifying Exam**

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## Instructions:

There are two parts in the research method section of qualifying exam. First, you must answer *ALL* questions in part I and choose one of the two articles to critique for part II. Citations and references must be provided for all your answers.

## Part I:

1. As a higher education practitioner and researcher, what does the term, “research ethics” mean to you? Please create your own research code of ethics.
2. Critically analyze and evaluate the condition of research in the field of higher education. Include in your discussion, at a minimum, the following factors:
	1. Research design and modes of inquiry and data collection and analyses
	2. The goal or ends of research
	3. The value and application of research outcomes
3. Please explain the following terms within the context of statistical hypothesis testing, (a) population, (b) sample, (c) research hypothesis (*H1*), (d) null hypothesis (*H0*), (e) level of significance (α), (f) Type I and Type II errors, and (g) confidence interval.

## Part II:

You are provided in this exam two research articles. Please choose ONE article and provide critiques in terms of its literature review, research design and method, results, and conclusion. Please provide both positive and negative critiques. Your critique should be between 8-10 pages in length, double-spaced, excluding citations.