

# **RADS 6983 – Thesis I**

**Instructor:** Jeff Killion, PhD, RT(R)(QM)

## **COURSE DESCRIPTION**

*Prerequisite:* RADS 5003 – Research Methods I

This course requires the preparation and development of a graduate-level thesis.

## **COURSE OBJECTIVES**

Upon successful completion of this course, the students will:

- Students will complete the first three chapters of their thesis on an approved topic of interest in imaging sciences and radiation therapy using the American Psychological Association (APA) writing style.

## **TEXTBOOK**

*Required:*

American Psychological Association. (2010). *Publication manual of the American Psychological Association* (7<sup>th</sup> ed.). Washington, DC: Author. [ISBN: 9781433805615]

## **GRADING**

Pass – Fail

## **COURSE SCHEDULE**

Students will work with the instructor for an individualized schedule of due dates for assignments.

## **ATTENDANCE**

This is an independent study course. Students should regularly access D2L and check their emails for important communications from the instructor.

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## ASSIGNMENTS

### Topic Approval

Students must obtain instructor approval for their RADS 6983 research topic. The research paper topics will be based on the foundations established in RADS 5003, Research Methods I. Appropriate topics include those directly related to IMAGING SCIENCES or RADIATION THERAPY issues or strategies and must be relevant to the students' major.

**NOTE:** If the instructor and student determine the research paper should include a survey or any other research design that requires approval or exemption by the MSU Institutional Review Board (IRB), the student will need to complete the CITI (Collaborative Institutional Training Initiative) training.

### Thesis Structure

**Forward to thesis chapters** (each of these will be on a separate page)

Title page

Signature page

Acknowledgements

Abstract

Table of Contents

List of Tables

### Chapter I: Introduction

In the Introduction part, the readers get a brief synopsis of most significant background research on the topic and discuss relevant theories to support the research.

Under the heading of Introduction (center and will be all caps) the following headings will be used for this section (center these headings): Introduction, Statement of Purpose (Research question(s), Hypotheses(s), Delimitations (boundaries that you have set for the study), Limitations, Assumptions, Definitions of Terms, and Importance of the Study.

### Chapter II: Literature Review

This chapter, however, should not merely string together what other researchers have found. Rather, you should discuss and analyze the body of knowledge with the ultimate goal of determining what is known and is not known about the topic. This determination leads to your research questions and/or hypotheses.

Last area of this section will be a Summary

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## **Chapter III: Methodology**

This chapter describes and justifies the data gathering method used. This chapter also outlines how you analyzed your data. Begin by describing the method you chose and why this method was the most appropriate. Next, detail every step of the data gathering and analysis process.

Under the heading of Methodology (center and will be all caps), the following headings will be used for this section (center these headings): Population and Sample, Protection of Human Subjects, Data Collection Procedures, Instrumentation, Data Analysis, and Summary

## **Chapter IV: Findings/Results**

This chapter addresses the results from your data analysis only. This chapter does not include discussing other research literature or the implications of your findings.

Under the heading of Results (center and will be all caps), the following headings will be used for this section (center these headings): Descriptive Statistics, Hypotheses Testing, and Summary

## **Chapter V: Conclusions and Recommendations**

This part is a brief discussion what you have already presented in your thesis. Here no new information should be added, and this part entirely reserved to clarify your findings. Under the heading of Conclusions and Recommendations (center and will be all caps), the following headings will be used for this section (center these headings): Summary, Conclusions, Discussion and Implications, and Recommendations

## **Reference page**

## **Appendix**

## **ACADEMIC DISHONESTY**

This course adheres to the MSU Code of Student Conduct. In particular, academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that his or her work will be completed in full observance of the MSU Code of Student Conduct. Students should consult the MSU Student Handbook for answers to any questions about the code of conduct.

## **PLAGIARISM**

*Plagiarism is not tolerated in this course whether intentional or not.* By enrolling in this course, the student expressly grants MSU a *limited right* in all intellectual property created by the student for the purpose of this course. The *limited right* includes but not limited to the right to reproduce the students work product to verify originality and authenticity and for educational purposes.

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## **SPECIAL NEEDS**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Support Services in Room 168 of the Clark Student Center, (940) 397-4140. Documentation of disability from a competent professional is required.

## **GRADUATE COMPETENCIES**

Graduates of the MSRS program should be able to:

- Use knowledge of current and future trends and well-developed skills to lead a medical imaging department, teach in a radiologic sciences program, or perform advanced clinical procedures.
- Use critical thinking strategies and communication skills to develop an ethical and legal framework for the resolution of concerns and issues in radiologic administration, education, or advanced clinical practice.
- Demonstrate leadership skills and knowledge of the political process to effect change within administration, education, or advanced clinical practice settings.
- Evaluate, design, and conduct research studies for the improvement of radiologic science administration, education, or advanced clinical practice.
- Demonstrate a sound academic foundation to support lifelong learning and to prepare for future matriculation in post-master or doctoral programs.

## **ADMINISTRATIVE PROCESS**

Unresolved issues related to this course should be first addressed between the student and the course instructors. If there is no resolution, students must follow this sequence:

Department Chair – Dr. Beth Veale (940) 397.4611  
College Dean – Dr. Jeff Killion (940) 397.4594  
Dean of Students – Mr. Matthew Park (940) 397.7500

## **CAMPUS CARRY**

Senate Bill 11 passed by the 84<sup>th</sup> Texas Legislature allows licensed handgun holders to carry concealed handguns on campus effective August 1, 2016. Areas excluded from concealed carry are appropriately marked in accordance with state law. For more information regarding campus carry, please refer to [Campus carry](#).