



Edward Via College of  
Osteopathic Medicine

VIRGINIA • CAROLINAS  
AUBURN • LOUISIANA

# Edward Via College of Osteopathic Medicine

## 4<sup>th</sup> Year Clinical Rotation: Clinical or Biomedical Research

MED 8400: Elective Clinical Rotation I

MED 8410: Elective Clinical Rotation II

MED 8420: Elective Clinical Rotation III

MED 8430: Elective Clinical Rotation IV

## COURSE SYLLABUS

Chair	Contact Information
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### I. Rotation Description

Students must apply to the Office of Clinical Affairs to determine if the proposed Clinical Research Elective Topic is approved (VIII Elective Research Sponsorship Form). Students require the sponsorship of a *mentor* who has at least one of the following:

- a. An academic appointment with a medical school
- b. An association with a research organization such as:
  - i. CDC
  - ii. NIH
  - iii. A specialty college
  - iv. A post-doctoral program or teaching hospital with a structured research elective

The completion of the research and the report may extend beyond the time period of the 4-week rotation. The student should submit a formal research report including:

- a. Title page
- b. Abstract
- c. Introduction (may include some of meta-analysis for description of reasoning of research design)
- d. Description of research hypotheses or question and research techniques employed
- e. Description of research data obtained
- f. Summary of findings (this should involve the meta-analysis as well as the findings of the student research and must include how this compares to or utilizes current literature)

## II. Rotation Goals

- a. To increase knowledge in the subject area chosen through concentrated study.
- b. To learn to conduct a thorough review of current texts and journal literature on a research topic and condense that knowledge into a usable reference resource that can be applied clinically or to a basic science research model.
- c. To form and structure an appropriate research hypothesis or question.
- d. To structure and implement a research plan, gather data, and formulate a written report.
- e. To participate with meaningful involvement in an ongoing project with full understanding of the research question, the research plan, data collection and data analysis. Please be aware that a Case Report would not fulfill the intent of requirements of this Research Elective

## III. Rotation Design

The Research rotation does not have to occur in a clinic or laboratory setting but will involve data collection and/or data analysis.

## IV. Credits

2-week = 2 credit hours

4-week course = 4 credit hours

## V. Research Summary Report Guidelines

### A. Initiation of a new project

- Identification of a research/ activity topic.
- Submission of the Research Elective Sponsorship Form (See page 4 of this syllabus) to the Director of 4<sup>th</sup> Year Clinical Rotations.
- Solicitation of the assistance of a mentor with discussion of the topic and syllabus. Obtain the signature of the mentor (See page 4 of this syllabus). Submit the completed form to the Director of 4<sup>th</sup> Year Clinical Rotations.
- Completion of the Protection of Human Research Subjects CITI Training course.

### After Approval of Topic and Plan Complete the Following and Discuss with Mentor

- Completion of literature review for selected research/scholarly activity topic.
- Completion of reference list.
- Completion of draft Introduction section with approval of the mentor.
- Identification of intended journal for submission.
- Identification of journal submission requirements including style required (i.e. JAMA, APA, etc.).
  - [JAMA requirements](#)
  - [JAOA requirements](#)
- Submission of IRB application with subsequent approval or a letter from IRB stating that the project is not human subject/s research, if required
- Seek advice from your mentor throughout the development and conclusion of the project.
- Completion of the project with submission to the mentor for evaluation and grading.
- Submission of the Research Evaluation to the Director of 4<sup>th</sup> Year Clinical Rotations by the first Monday in April. The grade will be submitted to the registrar no later than 10 (ten) days prior to graduation.

- Completion of the Release Form

**B. Continued Development of a Previously Identified Project**

- Identification of a research/ activity topic.
- Submission of the Research Elective Sponsorship Form (See page 4 of this syllabus) to the Director of 4<sup>th</sup> Year Clinical Rotations.
- Obtain the signature of the mentor (See page 4 of this syllabus). Submit the completed form to the Director of 4<sup>th</sup> Year Clinical Rotations.
- Completion of the Protection of Human Research Subjects CITI Training course (if applicable).

**After Approval of Topic and Plan Complete the Following and Discuss with Mentor**

- Identification of intended journal for submission.
- Identification of journal submission requirements including style required (i.e. JAMA, APA, etc.).
  - [JAMA requirements](#)
  - [JAOA requirements](#)
- Submission of IRB application with subsequent approval or a letter from IRB stating that the project is not human subject/s research (if required)
- Seek advice from your mentor throughout the development and conclusion of the project.
- Completion of the project, if during the research elective, with submission to the mentor for evaluation and grading.
- Submission of the Research Evaluation to the Director of 4<sup>th</sup> Year Clinical Rotations by the first Monday in April. The grade will be submitted to the registrar no later than 10 (ten) days prior to graduation.

**VI. Course Grading/Requirements for Successful Completion of the Research Elective**

Submission of the Research Paper Evaluation upon conclusion of the Research elective.

Grading policies, academic progress, and graduation requirements may be found in the *College Catalog and Student Handbook* at: <https://vcom.cld.bz/VCOM-College-Catalog-and-Student-Handbook>

**VII. Research Elective Sponsorship Form**

Please complete and send to the Fourth Year Director of your campus upon identifying a topic.

**Students must identify and seek guidance and approval from a mentor prior to submitting the form to the Office of Clinical Affairs for approval a minimum of two weeks prior to the scheduled clinical research elective.**

**Part I**

Student Name:

Dates of Elective:

Title of Research:

Brief Description of Research Project:

Goals of the Research:

Name, Address, and contact information of Sponsor (if known upon submission)

**Part II**

To be completed upon discussion and acceptance of mentorship by the sponsor.

I agree to sponsor the above student for this research project as designated above. I have read the description, goals, design, and guidelines for this rotation. I agree to monitor the student's progress, mentor the student in research skills, and to evaluate the student upon conclusion of the project. I agree that the project report may take some time for analysis and that I will provide a final evaluation of that paper.

Signature of sponsor: \_\_\_\_\_ Date \_\_\_\_\_

(If known at the time of submission.)

**I. Research Elective Evaluation**

Student Name:  
 Dates of Elective:  
 Title of Research:

If a statement is not applicable include NA.

Did the student complete the research according to expectations including:

- |  |   |   |     |
|--|---|---|-----|
| 1. The performance of a thorough literature review.  | Y | N | N/A |
| 2. The development of structured and appropriate research question/s.  |   | Y | N   |
| 3. The development of a structured and well implemented the research design.   |   | Y | N   |
| 4. The active participation in an ongoing research project with full understanding of the structure and implementation.  |   | Y | N   |
| 5. The completion of the Protection of Human Research Subjects CITI Training Course.   |   | Y | N   |
| 6. The completion of a summary of data gathered during the rotation.   |   | Y | N   |
| 7. The completion of a research plan of intent to receive credit.  |   | Y | N   |
| 8. The inclusion of a Title page.  |   | Y | N   |
| 9. The inclusion of an Abstract.   |   | Y | N   |
| 10. The inclusion of the Introduction (may include some of meta-analysis for description of reasoning of research design).   |   | Y | N   |
| 11. The inclusion of a description of the research hypotheses or question and research techniques employed.  |   | Y | N   |
| 12. The inclusion of a summary of findings (this should involve the meta-analysis as well as the findings of the student research and must include how this compares to or utilizes current literature). |   | Y | N   |
| 13. The inclusion of a reference list.   |   | Y | N   |
| 14. The identification of the intended journal/s for submission.   |   | Y | N   |
| 15. The submission of the IRB application with subsequent approval or a letter from IRB stating that the project is not human subject/s research, if required  |   | Y | N   |

Overall evaluation of the student’s research project (circle one):

Fail                      Pass                      High Pass                      Honors

Comments:

Sponsor signature:

Date:

Sponsor name printed:

Submit this evaluation form to the Director of 4<sup>th</sup> Year Clinical Rotations on your campus upon completion.

**OMS IV Release of Paper**

I, \_\_\_\_\_

Student Name

(Check appropriate box)

Release

Do Not Release

my paper for potential publication in the VCOM library. Should the report be chosen for display in the VCOM library or publication on the VCOM website, the student and faculty mentor, as authors will be notified in advance.

Student Signature: \_\_\_\_\_ Date \_\_\_\_\_

Faculty Mentor Signature: \_\_\_\_\_ Date \_\_\_\_\_

Faculty Mentor Printed Name and Email Address: \_\_\_\_\_