

OST 615
Biomedical Research
Clerkship Rotation Selective/Elective Syllabus

Department of COM Research

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(For all questions regarding content or administrative aspects of this course, please contact me)

MSUCOM constantly strives to improve and advance its curriculum through innovation while assuring compliance with current AOA accreditation standards. While major changes are generally instituted at the beginning of each academic year, minor changes may be implemented semester to semester.

Please be mindful of the need to read your syllabi before beginning your rotations

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Pre-Approval and Pre-Requisites

- An application is required for every selective/elective rotation.
- 30-day advance application approval required (applies to a rotation add, change or cancellation)

Elective Description

Biomedical Research Clerkship OST 615 is a 6 credit elective that provides students with biomedical research experience. Directed research enables medical students to test and compare different theories and approaches, and explore different methods in order to determine better modalities for patient care and therapy. Students are enrolled in 6 credits (40 hours' research per week for 4 weeks). Research Clerkships may not be done simultaneously with any other clerkship. Students may enroll for OST 615 a total of 3 times, up to 18 credits.

http://com.msu.edu/Research/Clerkship_Credit_Request.htm

Instructional Objectives

1. Provide biomedical research experience
2. Basic Science, translational, or clinical research may be pursued
3. Medical research topic is arranged with a basic scientist or clinician researcher, Research Mentor

Faculty Coordinator

(Note - Preferred method of contact is shown in italics)

Name: J Justin McCormick
PhD Phone:517-353-7785
Email: <i>comresearch@hc.msu.edu</i>
Address: 1129 Farm Lane, Food Safety & Toxicology Bldg, Room 341, East Lansing MI 48824

Staff or Student Coordinator

(Note - Preferred method of contact is shown in italics)

Name: Suzanne Kohler, MS Phone: 517-353-7785 Email: <i>comresearch@hc.msu.edu</i> Address: 1129 Farm Lane, Food Safety & Toxicology Bldg, Room 344, East Lansing MI 48824

Instructors

(Note - Preferred method of contact is in italics)

Name: Phone: J Justin McCormick, Email: Site: PhD 517-353-7785 <i>comresearch@hc.msu.edu</i> <i>u</i> East Lansing	Gary Willyerd, DO 517- 884-9600 <i>willyerd@msu.edu</i> DMC	Kirsten Waarala, DO 586-263-6832 <i>waarala@msu.edu</i> MUC
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Lines of Communication

- For administrative aspects of this Elective, contact: comresearch@hc.msu.edu
- For content questions relating to a specific learning activity or topic during this Elective, contact: Research Mentor
- For absences (please refer to excused absence policy information provided at the end of this syllabus).

Office Hours

Questions concerning the elective may be discussed individually by making an appointment with Suzanne Kohler COM Research Office, by phone 517-353-7785 or via comresearch@hc.msu.edu. The Elective Coordinator is generally available M-F 9-5 or by appointment.

Textbooks and Reference Materials

Required	Recommended	Optional
		A Research Primer: Basic Guidelines for the Novice Researcher The Journal of the American Osteopathic Association July 2013 Vol 113 No. 7 pp 556- 563

Elective Schedule

This elective is presented for 4 weeks. General scheduling for the educational activities of this elective are as follows:

Day/Date	Times (if	Required Activities	Specific Information
To Be Determine		Days and Times determined by Research Mentor	40 hours per week for a 4 week period are

Required Exams/Assessments

The activities required for successful completion of this elective are listed below.

Required	Projected Points	Specific Description
<p>Student must provide a report on the research project at the end of the semester by email to: comresearch@hc.msu.edu</p>		<p>Provide a narrative report of 1-2 paragraphs indicating what you did in qualitative and quantitative terms, e.g., “<i>I examined 250 charts of previous patients that had condition XX and recorded how many of them had a high score on Y, but exhibited a low score on Z, etc.</i>” Indicate the relevance of these findings to the hypothesis that the Investigator is addressing. In the light of your research, what in your</p>
<p>Research Mentor must provide a Student Evaluation at the end of the semester by email to: comresearch@hc.msu.edu</p>		<p>Did the student actively participate in the research project you assigned him/her? Did they carry out the research in as you expected? Did they put in the hours they had agreed to?</p>
		<p>Were you satisfied with the student? 5) Based on this experience, are you willing to have other medical students participate in short-term projects with you?</p>

Required Proctoring Arrangements

Describe any required proctoring arrangements to which students must adhere in this section – or indicate if there are none applicable to this elective. None applicable to this elective.

Unsatisfactory Clinical Performance

A student's clinical performance will be assessed through the Attending Clinical Clerkship Rotation Evaluation. Unsatisfactory Attending Evaluations are governed by the Policy for Retention, Promotion and Graduation (4.e).

An overall "Below Expectations" rating on Section 1 of the Clinical Clerkship Rotation Evaluation will be referred to the Instructor of Record/Department Chairperson for review and grade determination. Students who receive two or more Clinical Clerkship Rotation Evaluations with an overall "Below Expectations" rating will be referred to the COSE Clerkship Performance Subcommittee for review.

An overall "Below Expectations" rating on Section 2 of the Clinical Clerkship Rotation Evaluation will be referred to the Associate Dean/Student Services. In consultation with the Instructor of Record/Department Chairperson a determination of action will be reached

MSU College of Osteopathic Medicine **Standard Policies**

The following are the standard MSUCOM policies students must adhere to across rotations.

Attendance Policy

Clerkship activities are mandatory and timely attendance is expected at all educational events.

In the event a student must be absent from clerkship activities, he/she must, firstly, have prior approval from the Graduate Medical Education office (DME/DIO, Clerkship Director, and/or Student Clerkship Coordinator per the rotation sites process/policy). The clinical preceptor must also approve the absence, and determine an acceptable make-up plan which may include, but is not limited to: additional time on rotation, additional presentation(s), or written assignment(s). In the event of an emergency, the student must contact the Graduate Medical Education office and clinical preceptor as soon as the situation allows. Any exception to this attendance policy for any given rotation will be noted in the course syllabus.

Abuse of this policy, as determined by the GME office or a clinical preceptor, may be documented in a student evaluation(s) and/or reported to the Associate Dean of Student Services at MSUCOM via the Student Incident Report Form: <http://com.msu.edu/Students/Registrar/Policies.htm> or via phone call to the Associate Dean of Student Services (517-353-8799).

<p style="text-align: center;">ROTATION SPECIFIC EXCEPTIONS TO THE ABOVE ATTENDANCE POLICY: NONE</p>

Policy for Medical Student Supervision

Supervisors of the Medical Students in the Clinical Setting

The MSUCOM curriculum includes required clinical experiences in a variety of clinical learning environments. The role of the student is to participate in patient care in ways that are appropriate for the student's level of training and experience and to the clinical situation. The student's clinical activities will be under the supervision of licensed physicians. This supervising physician may delegate the supervision of the medical student to a resident, fellow, or other qualified healthcare provider, however, the supervising physician retains full responsibility for the supervision of the medical students assigned to the clinical rotation and must ensure his/her designee(s) are prepared for their roles for supervision of medical students.

The physician supervisor and his/her designee(s) must be members in good standing in their facilities and must have a license appropriate to his/her specialty of practice and be supervising the medical student within that scope of practice as delineated by the credentialing body of the facility.

Level of Supervision/Responsibilities

Clinical supervision is designed to foster progressive responsibility as a student progresses through the curriculum, with the supervising physicians providing the medical student the opportunity to demonstrate progressive involvement in patient care. MSUCOM students will be expected to follow clinical policies of the facility regarding medical records and clinical care. Medical student participation in patient history/physical exam, critical data analysis, management, and procedures will include factors, but not limited to:

- The students demonstrated ability
- The students level of education and experience
- The learning objectives of the clinical experience

First and second year medical students will be directly supervised at all times (supervising physician or designee present or immediately available).

Third and fourth year medical students will be supervised at a level appropriate to the clinical situation and student's level of experience. For some tasks, indirect supervision may be appropriate for some students. Direct supervision would be appropriate for advanced procedures.

Supervising physicians will provide medical students with timely and specific feedback on performance. The supervising physician will complete a mid-rotation evaluative discussion with the medical student. Supervising physicians will complete a summative evaluation and are encouraged to contact the course/clerkship director with any gaps in student performance.

Medical students with any concern regarding clinical, administrative, and educational or safety issues during his/her rotation will be encouraged to contact the supervising physician or clerkship/course director.

STATEMENT OF PROFESSIONALISM

Principles of professionalism are not rules that specify behaviors, but guidelines that provide direction in identifying appropriate conduct. These principles include the safety and welfare of patients, competence in knowledge and skills, responsibility for consequences of actions, professional communication, confidentiality, and lifelong learning for maintenance of professional skills and judgments.

Professionalism and professional ethics are terms that signify certain scholastic, interpersonal and behavioral expectations. Among the characteristics included in this context are the knowledge, competence, demeanor, attitude, appearance, mannerisms, integrity and morals displayed by the student to faculty, peers, patients and colleagues in other health care professions. Students are expected to conduct themselves at all times in a professional manner and to exhibit characteristics of a professional student.

STUDENTS RIGHTS AND RESPONSIBILITIES

Each individual student is responsible for their behavior and is expected to maintain standards of academic honesty. Students share the responsibility with faculty for creating an environment that supports academic honesty and principles of professionalism. Proper relationship between faculty and student are fundamental to the college's function and this should be built on mutual respect and understanding together with shared dedication to the education process. It is a fundamental belief that each student is worthy of trust and that each student has the right to live in an academic environment that is free of injustice caused by dishonesty. While students have an obligation to assist their fellow students in meeting the common goals of their education, students have an equal obligation to maintain the highest standards of personal integrity.

FACULTY RESPONSIBILITIES

It is the responsibility of the college faculty to specify the limits of authorized aid (including but not limited to exams, study aids, internet resources and materials from senior students) in their syllabi, and it is the responsibility of students to honor and adhere to those limits. Course instructors shall inform students at the beginning of the semester of any special criteria of academic honesty pertinent to the class or course.

It is the responsibility of the clinical faculty to provide students with ongoing feedback during rotation upon request. Clinical faculty are generally recommended (though not required) to limit student assigned duty hours from 40 to 60 hours weekly (and not exceeding 60 hours). Both faculty and students are to be treated fairly and professionally in order to maintain a proper working relationship between trainer and trainee.

COURSE GRADES

- **P-Pass** – means that credit is granted and that the student achieved a level of performance judged to be satisfactory according to didactic and clinical performance by the department.
- **N-No Grade** – means that no credit is granted and that the student did not achieve a level of performance judged to be satisfactory according to didactic and clinical performance by the department.
- **ET-Extended Grade** – means that a final grade (“Pass” or “No Grade”) cannot be determined due to one or more missing course requirements. Once all course requirements have been completed, received, and processed, the ET grade will be changed to a final grade. An “ET” will NOT remain on a student’s transcript.

N-Grade Policy

- Remediation is not offered for Clerkship courses. Any student who receives an N grade in the Clerkship Program will be required to appear before the COSE Clerkship Performance Subcommittee (COSE).

EXPOSURE INCIDENTS PROTOCOL

A form has been developed by the University to report exposure incidents. These forms will be on file in your DME's office. You can also access the form at www.com.msu.edu/AP/clerkship_program/clerkship_documents/exposure.pdf.

Please make yourself familiar with the procedure and the form.

Student Evaluation of the Elective

We want your feedback on how to make this Elective better for the students who come after you.

- Informal Feedback: Feel free to approach the Elective Coordinator, J Justin McCormick, or any of the other Elective instructors with your reactions and suggestions. Or write out your comments and email them to the Elective Coordinator or Faculty. comresearch@hc.msu.edu

Requests for Special Accommodations

Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities at 517-884-RCPD or on the web at www.rcpd.msu.edu Once a student's eligibility for accommodation has been determined he/she may be issued a Verified Individualized Services and Accommodation ("VISA") form. Please present this VISA form to Cheryl Luick, luick@msu.edu, A-331 East Fee Hall at the start of the semester and/or two weeks prior to the accommodation date (test, project, labs, etc.). Requests received after this date will be honored whenever possible.

It is the responsibility of the student with accommodations to contact the Elective Coordinator two weeks prior to the start of the term, or two weeks prior to the scheduled assessment event or other planned use of accommodations. Requests received after this date will be honored whenever possible.

It is the responsibility of the student to submit or have submitted an updated version of their accommodations to Cheryl Luick each semester that a student plans to use their accommodations.