ANTR 685
DIRECTED STUDY IN CLINICAL PROSECTION

CLERKSHIP ELECTIVE ROTATION SYLLABUS

DEPARTMENT OF RADIOLOGY
KEVIN ROBINSON, D.O.
INTERIM CHAIRPERSON

NICOLE GESKE, PH.D.
INSTRUCTOR OF RECORD
geskenic@msu.edu

EFFECTIVE AUGUST 1, 2022 TO JULY 31, 2023

For questions about content or administrative aspects of this course, please contact:

Josh Vincent
vincen29@msu.edu

At Michigan State University College of Osteopathic Medicine (MSUCOM), we are constantly working to improve our curriculum and to meet new AOA accreditation guidelines. We need to meet the challenges of modern medicine that force us to innovate. While changes will generally be instituted at the beginning of the school year, changes may also be implemented semester to semester.

Please be mindful of the need to read your syllabi before beginning your rotations.
# TABLE OF CONTENTS

## INTRODUCTION AND OVERVIEW
- Elective Course Scheduling
  - Preapproval
  - Required Prerequisites
  - Course Confirmation and Enrollment
- Rotation Format

## GOALS AND OBJECTIVES
- Goals
- Objectives

## COLLEGE PROGRAM OBJECTIVES

## REFERENCES
- Required Study Resources
  - Desire 2 Learn (D2L)
- Suggested Study Resources
  - Recommended Texts

## ROTATION REQUIREMENTS
- Orientation
- Prosection Project and "Checkout"
- Peer-Reviewed Journal Article Annotations
- Seminar-Style Presentation
- Rotation Evaluations
  - Attending Evaluation of Student
  - Student Evaluation of Clerkship Rotation
  - Unsatisfactory Clinical Performance
- Corrective Action
- Base Hospital Requirements

## STUDENT RESPONSIBILITIES AND EXPECTATIONS

## MSU COLLEGE OF OSTEOPATHIC MEDICINE STANDARD POLICIES
- Clerkship Attendance Policy
  - Excused Absences
- Policy for Medical Student Supervision
  - Supervisors of the Medical Students in the Clinical Setting
  - Level of Supervision/Responsibilities
- MSUCOM Student Handbook
- Common Ground Framework for Professional Conduct
  - Medical Student Rights and Responsibilities
INTRODUCTION AND OVERVIEW
ANTR 685 is a 3 or 6 credit hour, two or four-week elective course that provides students with an opportunity to deepen their understanding of human anatomy while gaining prosection/dissection experience. Students will independently complete prosections of select anatomical regions and/or isolated organs of human donors under the guidance of faculty from the Division of Human Anatomy. These prosections will later be used as anatomical teaching specimens in the Gross Anatomy Lab. A student may earn a maximum of 15 credits in all enrollments for this course

ELECTIVE COURSE SCHEDULING

Preapproval
• This course requires preapproval from the IOR. The student must contact the IOR via email with the following details of the rotation/rotation site when seeking preapproval:
  ▪ Proposed dates of rotation.
  ▪ Virtual or in-person rotation.
  ▪ Preferred campus (East Lansing, MUC, DMC).
  ▪ Area(s) of interest.
  o Confirmation of approval from the IOR is to be sent to COM.Clerkship@msu.edu for final clerkship approval and scheduling.

Required Prerequisites
• This course does not require any prerequisite courses.

Course Confirmation and Enrollment
• The student must be an active student at MSUCOM.
• Student must complete five core rotations prior to any elective rotation.
• The student must receive MSUCOM confirmation and enrollment prior to beginning any elective rotation.
  o Once the student receives rotation acceptance from the host site, students must provide the elective application and host site approval to COM.Clerkship@msu.edu for MSUCOM confirmation and scheduling.
  o MSUCOM confirmation and enrollment is complete when the rotation is visible on the student’s schedule.
  o MSUCOM confirmation must occur at least 30 days in advance of the rotation.

ROTATION FORMAT
In the four-week rotation, at the completion of the prosection assignment, each student will be expected to present a 30-minute oral seminar-style discussion to the public (faculty, lab personnel, and students). The seminar topic should be related to the anatomical region being prosected and is expected to draw information from at least two peer-reviewed journal articles covering recent innovative treatments encompassing clinical anatomy correlates/surgical techniques, or diagnostic imaging advances, or genetic/cell therapies, etc.
GOALS AND OBJECTIVES

GOALS
1. To provide students with hands-on prosection/dissection experience of the student’s desired/selected anatomical region on donors and donor tissues.
2. To develop appropriate dissection techniques, including gaining experience and competence to handle dissection tools (which are often translatable to surgical techniques).
3. To develop team working skills with students, faculty, and staff in a professional manner.
4. To develop strategies for searching for and evaluating peer-reviewed publications pertaining to student's desired/selected anatomical region.
5. To annotate and review relevant peer-reviewed articles relating to student's desired/selected anatomical region.
6. To prepare and deliver a seminar-style presentation based on the reviewed literature.

OBJECTIVES
1. Learn appropriate dissection techniques for prosection of various tissues.
2. Learn appropriate use of dissection tools; most dissection techniques are translatable to surgical techniques.
3. Work independently to complete the assigned prosection project.
4. Communicate with Division of Human Anatomy faculty and staff in a professional setting.
5. Search for peer-reviewed publications related to their anatomical region of interest and identify studies of interest, such as recent advances in surgical techniques, diagnostic imaging, gene therapies, morphological variation, etc.
6. Prepare and deliver an oral seminar-style presentation integrating their prosection assignment with the peer-reviewed publications of their choosing.

COLLEGE PROGRAM OBJECTIVES
In addition to the above course-specific goals and learning objectives, this clerkship rotation also facilitates student progress in attaining the College Program Objectives. Please refer to the complete list provided on the MSUCOM website (https://com.msu.edu/) and in the Student Handbook.

REFERENCES

REQUIRED STUDY RESOURCES

Desire 2 Learn (D2L)
Desire 2 Learn (D2L): Please find online content for this course in D2L (https://d2l.msu.edu/). Once logged in, your specific course section may appear on the D2L landing page. Or you may find and pin the course to your homepage by typing the following text into Search for a course: Directed Study in Clinical Prosection.

If you encounter any issues accessing this D2L course, please email the CA (on the title page of this syllabus).
### SUGGESTED STUDY RESOURCES

**Recommended Texts**
The MSU library also has several free electronic and non-electronic resources ([http://www.lib.msu.edu/](http://www.lib.msu.edu/)).

### ROTATION REQUIREMENTS

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>SUBMISSION METHOD</th>
<th>DUE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attending Evaluation of Clerkship Student <em>(Class of 2023)</em></td>
<td>Can be accessed via the “Attending Evaluation” link in Kobiljak online schedule. Email completed evaluation to <a href="mailto:COM.Clerkship@msu.edu">COM.Clerkship@msu.edu</a></td>
<td>Last Day of Rotation</td>
</tr>
<tr>
<td>Attending Evaluation of Clerkship Student <em>(Class of 2024)</em></td>
<td>A student must verify that his/her attending physician is accurately reflected on his/her rotation schedule in Medtrics. At the rotation midpoint, students’ attendings will receive an automated email link connecting them to their assigned Attending Evaluation within Medtrics, where they may electronically access and submit the forms on behalf of their students</td>
<td>Last Day of Rotation</td>
</tr>
<tr>
<td>Student Evaluation of Clerkship Rotation <em>(Class of 2023)</em></td>
<td>Can be accessed and submitted via the “Student Evaluation” link in Kobiljak online schedule</td>
<td>Last Day of Rotation</td>
</tr>
<tr>
<td>Student Evaluation of Clerkship Rotation <em>(Class of 2024)</em></td>
<td>Students will submit their rotation evaluations electronically at the conclusion of every rotation by accessing the Medtrics system: <a href="https://msucom.medtricslab.com/users/login/">https://msucom.medtricslab.com/users/login/</a>. By the last week of each rotation, students will receive an automated email link connecting them to their assigned evaluation. Students can also access pending evaluations on the ‘Home’ or ‘Evaluations’ tabs within their Medtrics accounts.</td>
<td>Last Day of Rotation</td>
</tr>
<tr>
<td>Prosecton Project and “Checkout”</td>
<td>Completion of prosection project and oral presentation of project to faculty advisor</td>
<td>Last Day of Rotation</td>
</tr>
<tr>
<td>Peer-Reviewed Journal Article Annotations <em>(4-Week Rotation Only)</em></td>
<td>Send to faculty advisor</td>
<td>Last Day of Rotation</td>
</tr>
<tr>
<td>Seminar-Style Presentation <em>(4-Week Rotation Only)</em></td>
<td>30-minute oral presentation</td>
<td>Last Day of Rotation</td>
</tr>
</tbody>
</table>
**ORIENTATION**

The student will undergo an orientation with their assigned faculty advisor prior to beginning their prosection assignment. The student will schedule this orientation with their assigned faculty member.

**PROSECTION PROJECT AND “CHECKOUT”**

The student must complete a series of prosections projects that total 50 points (for a four-week rotation) or 30 points (for a two-week rotation) in assignment value. The oral presentation (“checkout”) to faculty advisor must be completed during the last week of the rotation and should identify required structures, discuss structure function (where applicable), and discuss pathology and/or structure variation (where applicable).

**PEER-REVIEWED JOURNAL ARTICLE ANNOTATIONS**

For students completing the four-week rotation only. The student must annotate two peer-reviewed journal articles related to the anatomical region being prosected. One article should address how pathologies of the anatomical region have been historically treated (e.g., surgery, diagnostic testing, pharmaceuticals, etc.) and one article should address a recent innovation in the treatment of a condition related to the anatomical region (e.g., new surgical technique, therapeutic intervention, advancements in imaging, etc.). The annotations should be sent to the faculty advisor during the third week of the rotation.

**SEMINAR-STYLE PRESENTATION**

For students completing the four-week rotation only. The student will give a presentation to the public (faculty, lab personnel, and students). The topic should be related to the anatomical region prosected and draw information from the two peer-reviewed journal articles annotated by the student. Presentations should include an overview of the anatomical region, introduction to seminar topic, discussion of two peer-reviewed journal articles, discussion of impact on the field. The presentation should be 30 minutes in length, plus 5-10 minutes for questions. The presentation should be given during the last week of the rotation and will be scheduled by the faculty advisor or instructor of record.

**ROTATION EVALUATIONS**

**Attending Evaluation of Student**

**Class of 2023:** Students are responsible for assuring that his/her clinical supervisor receives the appropriate evaluation form. Forms can be accessed via the “Attending Evaluation” link in the student’s Kobiljak online Clerkship schedule.

**Class of 2024:** Students are responsible for verifying that a clinical supervisor has been correctly identified on their rotation schedules within Medtrics so that an email can be generated and delivered to their attending physician’s preferred email address at the midpoint of their rotation. Attendings will access the electronic form within Medtrics by selecting the email link on a smart device. No login (username/password) will be required for attendings to access their pending evaluation(s) assigned to them. After the electronic form has been submitted by their attending, students can access Attending Evaluations that were completed on their behalf by visiting the ‘Evaluations’ module (in the ‘About Me’ tab) of their Medtrics profiles.

**Class of 2023 & Class of 2024:**
Students should actively seek feedback on his/her performance throughout the course of the clinical rotation. Students should also sit down and discuss the formal evaluation with the clinical supervisor.
Any evidence of tampering or modification while in the possession of the student will be considered “unprofessional behavior” and will be referred to the MSUCOM Spartan Committee Clearinghouse for resolution, per MSUCOM’s Common Ground Framework for Professional Conduct or to the Committee on Student Evaluation (COSE).

Grades are held until all rotation requirements, including evaluation forms, are received. Students are required to ensure their rotation requirements are completed correctly.

**Student Evaluation of Clerkship Rotation**

**Class of 2023:** Students will submit their rotation evaluations electronically at the conclusion of every rotation by accessing their online evaluation system at: [http://hit-filemakerwb.hc.msu.edu/Clerkship/login_student.html](http://hit-filemakerwb.hc.msu.edu/Clerkship/login_student.html)

**Class of 2024:** Students will submit their rotation evaluations electronically at the conclusion of every rotation by accessing the Medtrics system: [https://msucom.medtricslab.com/users/login/](https://msucom.medtricslab.com/users/login/). By the last week of each rotation, students will receive an automated email link connecting them to their assigned evaluation for the respective rotation. Students can also access their pending evaluations on the ‘Home’ or ‘Evaluations’ tabs within their Medtrics accounts.

**Unsatisfactory Clinical Performance**

The Instructor of Record will review/investigate a student’s performance on a rotation when a concern is raised by the supervisor(s), and/or when the Attending Evaluation of Clerkship Student contains any below expectation marks within the professionalism area, any unsatisfactory written comments, or a total of two or more below average marks on the evaluation. After investigations, the Instructor of Record will determine a final grade for the student.

Professionalism concerns, as well as accolades, will also be referred to the MSUCOM Spartan Committee Clearinghouse for resolution, per MSUCOM’s Common Ground Framework for Professional Conduct.

**CORRECTIVE ACTION**

If a student does not successfully complete the rotation requirements of the course, the student will receive an ET grade and be permitted to go through a ‘corrective action’ process.

The following assignments are eligible for corrective action and will be due no later than 14 days after the last day of the rotation at 11:59pm:

- Prosection project and “checkout.”
- Peer-reviewed journal article notations.
- Seminar-style presentation.

The student is responsible for contacting the Course Assistant (on the title page of this syllabus) if they believe missing assignments were reported in error, or if they are unclear about the corrective action process.

While it is the responsibility of the student to ensure that the Attending Evaluation of Clerkship Student is completed, this requirement may extend beyond the corrective action deadline.
If a student **successfully completes** the corrective action process, as determined by the IOR, the student will receive credit for the deficient academic grading requirement(s) and be eligible for a change in rotation grade (from ET to Pass, pending the Attending Evaluation of Clerkship Student and, if applicable, score on his/her COMAT retake).

As determined by the IOR, the student will receive an **N grade for the course** if all assignments and the corrective action process are **not completed** successfully within 14 days after the last day of rotation at 11:59pm (with the exception of the Attending Evaluation). Additionally, a letter of unprofessional behavior for late submission of assignments will be sent to the MSUCOM Spartan Community Clearinghouse.

**BASE HOSPITAL REQUIREMENTS**
Students are responsible for completing all additional requirements set by the hospital/clinical site at which they are completing a rotation. Students are not responsible for reporting to MSUCOM the results of any requirements that exist outside of those listed above.

**STUDENT RESPONSIBILITIES AND EXPECTATIONS**
During the rotation, the student is required to meet the following clinical and academic responsibilities.

**ATTENDANCE**
The student is expected to spend approximately 30-40 hours per week in the prosection lab. Students may prosect during any hours the lab is open. A campus specific schedule will be provided to the student.

**ATTIRE**
Professional lab attire and Personal Protective Equipment (PPE) are required for all individuals who enter the anatomy laboratory. The following PPE is expected:
- Closed toed shoes;
- Surgical scrubs;
- Lab coat or disposable gown (can be provided to you);
- Safety glasses certified to ANSI Z87 (**NOTE**: Prescription eyeglasses are not considered safety glasses unless they have both side shields and shatter resistant lenses) (can be provided to you);
- Disposable nitrile* gloves (**NOTE**: As some individuals are allergic to latex, latex gloves are **NOT** allowed in lab) (can be provided to you).

**ETIQUETTE**
The student is expected to adhere to professional and ethical behavior at all times during the course. This includes:
- The student must indicate without delay if the need to withdraw from the rotation is necessary.
- Careful dissection of the cadaveric material (dissection tools will be provided to you).
- Respect for donors in the lab and outside of lab.
- **ABSOLUTELY NO** photography/video of donors or donor tissues.
- **ABSOLUTELY NO** visitors or unauthorized persons in the lab.
- **ABSOLUTELY NO** food or drink the anatomy lab or classroom.

**MSU COLLEGE OF OSTEOPATHIC MEDICINE STANDARD POLICIES**
The following are standard MSUCOM policies across all Clerkship rotations.
CLERKSHIP ATTENDANCE POLICY

MSUCOM requires student participation in clerkship rotations and clinical activities with consistent attendance to acquire the skills and knowledge that are necessary for successful program completion. Students are expected to take minimal time off outside of vacation periods built into student schedules and should only request additional time off in the rare events and circumstances outlined below.

Specific courses may have additional absence requirements from this general clerkship policy, and it is the student’s responsibility to adhere to those requirements according to the respective course syllabus.

Excused Absences
Students must obtain documented approval for any full- or partial-day absence on a rotation. **Excused absences** require the completion of the Clerkship Program Excused Absence Request Form by taking the following steps:

- Obtain appropriate signatures on the Clerkship Program Excused Absence Request Form at least 30 days prior to the date of the absence. An absence due to a sudden emergency is the exception to the 30-day advanced notice rule.
- **Class of 2023**: Once appropriate approval signatures are obtained on the Clerkship Program Excused Absence Request Form, the signed document should be maintained for your records in the event they are later requested or required.
- **Class of 2024**: Upload the completed Clerkship Program Excused Absence Request Form to the ‘Excused Absences’ folder (within the ‘My Personal Documents’ section) of a student’s Medtrics profile.

Unexcused absences are full- or partial-day absences taken without the proper completion of the Clerkship Program Excused Absence Request Form, or any absences not covered in the Clerkship Attendance Policy. Unexcused absences are considered unprofessional and will result in a report to the Spartan Community Clearing House and/or the MSUCOM Committee on Student Evaluation (COSE). Unexcused absences may also have a negative impact on a student's rotation grade or evaluation.

Students are not allowed to be absent from the first day of any rotation.
- Due to the onboarding plans at most rotation sites, students must attend the first day of every rotation. Students must plan accordingly for personal days, interview days, COMLEX, etc.

<table>
<thead>
<tr>
<th>Length of Rotation</th>
<th>Maximum Number of Days Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 weeks</td>
<td>2 days</td>
</tr>
<tr>
<td>2 weeks</td>
<td>0 days</td>
</tr>
</tbody>
</table>

*Should an absence exceed these limits, the student is responsible for requesting additional days off from the Assistant Dean for Clerkship Education via email (COM.Clerkship@msu.edu) prior to the absence.

*Exception: A fourth-year student may be absent a total of 4 days on any 4-week rotation or 2 days on any 2-week rotation during the months of October-January for interview purposes only. If interview absences exceed these totals, the student must submit a Clerkship Program Excused Absence Request Form (with appropriate signatures obtained from the rotation attending and rotation site) to the Assistant Dean for Clerkship Education via email (COM.Clerkship@msu.edu) prior to the absence.
### Directed Study in Clinical Prosection ANTR 685

<table>
<thead>
<tr>
<th>Absence Type</th>
<th>Qualifications</th>
<th>Maximum Number of Days Off</th>
<th>Details</th>
<th>Required Approval from Assistant Dean for Clerkship Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Day</td>
<td>May be used at the discretion of the student (example: illness, physician apt., conference time, etc.). Total days off any one rotation (including personal days off) cannot exceed 2 on any one 4-week rotation.</td>
<td>5 total days per academic year (July-June)</td>
<td>While personal days may be used at the discretion of the student, the total days off any one rotation (including personal days off) cannot exceed 2 on any one 4-week rotation, i.e., students cannot use all 5 days on one rotation.</td>
<td>No</td>
</tr>
<tr>
<td>Jury Duty</td>
<td>Court documentation must accompany the Clerkship Program Absence Request Form</td>
<td>N/A</td>
<td>Jury duty, when obligated, is not considered a personal day absence.</td>
<td>Yes</td>
</tr>
<tr>
<td>Hospital-organized community events</td>
<td>Example: Special Olympic Physicals</td>
<td>N/A</td>
<td>These events would be considered part of the rotation and not a personal day absence.</td>
<td>No</td>
</tr>
<tr>
<td>Examination</td>
<td>COMLEX USA Level 2 CE/USMLE Step 2 CK/Canadian MCCEE</td>
<td>1 day</td>
<td>Students have the time off to take the examination only</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>COMAT/NBME shelf examinations</td>
<td>Students should be reporting to rotation before/after examination.</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Prolonged Illness, Bereavement, Maternity Leave</td>
<td>Medical related absence or bereavement</td>
<td>Determined on a case-by-case basis</td>
<td>Students must contact the Assistant Dean for Clerkship Education directly (<a href="mailto:enright4@msu.edu">enright4@msu.edu</a>) to discuss time off rotations.</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Clerkship Program Excused Absence Request Forms: **Class of 2024**: Once appropriate approval signatures are obtained, forms must be uploaded to the ‘Excused Absences’ folder within each student’s Medtrics profile. Students should maintain a copy for their records. **Class of 2023**: Once appropriate approval signatures are obtained, forms should be maintained for your records in the event they are later requested or required.
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. They 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 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, but are not limited to, factors such as:

- The student’s demonstrated ability
- The student's 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 that 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.

**MSUCOM STUDENT HANDBOOK**
The Student Handbook is published electronically by MSUCOM for students in the Doctor of Osteopathic Medicine program. This handbook does not supersede other Michigan State University or College of Osteopathic Medicine policies, regulations, agreements, or guidelines. The Handbook is updated annually during the summer semester, with changes effective when posted. Any subsequent changes are effective as of the date of issuance.

Students shall adhere to Michigan State University and College of Osteopathic Medicine policies, procedures, agreements, and guidelines. Violations of any regulation are subject to disciplinary action, up to and including program dismissal.

**COMMON GROUND FRAMEWORK FOR PROFESSIONAL CONDUCT**
The Common Ground Framework provides the MSUCOM community with a reminder of the unity of mind, body, and spirit that underlines the field of osteopathic medicine. The framework is a set of guiding, foundational principles that underpin professional conduct and integrity and applies to all professionals at work within the shared college community, independent of their specific roles or responsibilities.

This framework is built around the acronym CORE, representing Collaboration, Opportunity, Responsibility, and Expertise. Each domain encompasses values and examples of how they are demonstrated.

- **Collaboration**: Working together with others
  - **Interactive**: Interact effectively and respectfully with people you encounter; demonstrate honesty, genuineness, humility, and compassion
  - **Dynamics and Communication**: Demonstrate respect, civility, and courtesy in communication; communicate effectively with diverse individuals and groups for a variety of purposes using available technologies; employ active listening
  - **Use of Feedback**: Identify sources of feedback; deliver and receive effective feedback for initiatives, evaluations and assessments, quality improvements, conflict resolution, and peer review
- **Opportunity**: Encouraging an environment of mutual support
  - **Shared Leadership**: Exhibit advocacy for self and others; accept situational leadership as needed; establish mutual support and respect; participate as a support for others regardless of title or position
  - **Problem-solving**: Recognize and define problems; analyze data; implement solutions; evaluate outcomes; include the perspectives of others
o Decision-making: Fulfill commitments; be accountable for actions and outcomes; discuss and contribute your perspective in group settings; listen to multiple viewpoints prior to making a decision

• **Responsibility:** Supporting a shared culture of accountability
  o Effective Use of Time and Resources: Invest time, energy, and material resources efficiently in order to provide effective services; demonstrate integrity and stewardship of resources
  o Critical Thinking Skills: Recognize and differentiate facts, illusions, and assumptions; question logically; identify gaps in information and knowledge
  o Mindfulness and Self-Care: Actively engage in surrounding circumstances and activities; self-assess, self-correct, and self-direct; identify sources of stress and develop effective coping behaviors

• **Expertise:** Having relevant skills or knowledge
  o Core of Knowledge: Develop core professional knowledge; apply the knowledge in clinical, academic, and administrative settings
  o Technical Skills: Show competency and proficiency in performing tasks that are integral to the scope and practice of your profession; identify needs and resources for learning; continually see new knowledge and understanding in your profession

**MEDICAL STUDENT RIGHTS AND RESPONSIBILITIES**
The rights and responsibilities of students enrolled in MSUCOM are defined by the medical colleges of Michigan State University, including the College of Osteopathic Medicine, the College of Human Medicine, and the College of Veterinary Medicine. Students enrolled in the professional curricula of these colleges are identified as “medical students”. These colleges collectively define “Medical Student Rights and Responsibilities” (MSRR). This document addresses academic rights and responsibilities, governance, procedures for complaints, due process, and other topics. The current version is available on the MSU Spartan Life website at the address below: [http://splife.studentlife.msu.edu/medical-student-rights-and-responsibilities-mssr](http://splife.studentlife.msu.edu/medical-student-rights-and-responsibilities-mssr)

**MSU EMAIL**
To facilitate communication from faculty and staff to students, students are required to have a functioning MSU email address. Students are responsible for checking their MSU email accounts daily and maintaining their MSU mailboxes so that messages can be received.

Forwarding MSU email to another email account or failure to check email are not valid excuses for missing a deadline or other requirements of the clinical education program.

Further, students must use secure email when working in a hospital, clinic, or other health care setting if discussion of patient information is involved. MSUNet (msu.edu) email is secure; many web-based email systems including Hotmail, Gmail, and Yahoo are not.
COURSE GRADES

P/Pass – means that credit is granted, and that the student achieved a level of performance judged to be satisfactory by the department according to the student's didactic and clinical performance.

ET/Extended Grade – means that a final grade ('Pass' or 'No Grade') cannot be determined due to one or more missing course requirements. The ET grade will be changed to a final grade once all the completed course requirements have been submitted to and processed by MSUCOM (either to the department or Clerkship Team). An ‘ET’ grade will NOT remain on a student's transcript.

N/No Grade – means that no credit is granted, and that the student did not achieve a level of performance judged to be satisfactory by the department according to the student's didactic and clinical performance.

N Grade Policy
Students who fail this rotation will have to repeat the entire rotation and fulfill all (clinical and academic) requirements.

STUDENT EXPOSURE PROCEDURE
A form has been developed by the University Physician to report incidents of exposure, e.g. needle sticks, mucous membrane exposure, tuberculosis exposure, etc., and it may be found on the Clerkship Medical Education page of the MSUCOM website here (https://com.msu.edu/current-students/clerkship-medical-education).

Contact Assistant Dean for Clerkship Education, Dr. Susan Enright (enright4@msu.edu), if exposure incident occurs.

STUDENT VISA
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 (RCPD) at 517-884-RCPD, or on the web at www.rcpd.msu.edu. Once a student’s eligibility for (clinical and/or testing) accommodation(s) are determined, the student may be issued a Verified Individualized Services and Accommodations (VISA) form. Students must present their VISA forms to the Clerkship Team (COM.Clerkship@msu.edu) at the start of the semester in which they intend to use their accommodations (for tests, projects, labs, etc.). Accommodation requests received after the semester onset will be honored whenever possible.

If modifications, updates, or extensions to an existing VISA form are made after the semester begins, it is the responsibility of the student to submit the newest version to the Clerkship Team if he/she intends to utilize the accommodation going forward.
### SUMMARY OF GRADING REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Submission Method</th>
<th>Pass</th>
<th>Extended Grade</th>
<th>No Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Attending Evaluation of Clerkship Student (Class of 2023)</strong></td>
<td>Can be accessed via the “Attending Evaluation” link in Kobiljak online schedule. Email completed evaluation to <a href="mailto:COM.Clerkship@msu.edu">COM.Clerkship@msu.edu</a></td>
<td>• Student may receive “Below Expectations” in up to one (1) subcategory • Overall categories must receive “Meets Expectations” or “Exceeds Expectations”</td>
<td>Will be the conditional grade until all requirements of this rotation are met</td>
<td>• Receives two (2) or more “Below Expectations” within the subcategory sections. • Receives comments that indicate below expectations of performance • See Unsatisfactory Clinical Performance above</td>
</tr>
<tr>
<td><strong>Attending Evaluation of Clerkship Student (Class of 2024)</strong></td>
<td>Attendings receive an automated email link connecting them to their assigned evaluation(s) within Medtrics, where they may access and submit the electronic form(s) directly</td>
<td>• Student may receive “Below Expectations” in up to one (1) subcategory • Overall categories must receive “Meets Expectations” or “Exceeds Expectations”</td>
<td>Will be the conditional grade until all requirements of this rotation are met</td>
<td>• Receives two (2) or more “Below Expectations” within the subcategory sections. • Receives comments that indicate below expectations of performance • See Unsatisfactory Clinical Performance above</td>
</tr>
<tr>
<td><strong>Student Evaluation of Clerkship Rotation (Class of 2023)</strong></td>
<td>Can be accessed and submitted via the “Student Evaluation” link in Kobiljak online schedule.</td>
<td>Completed 100% by 11:59 pm the last day of the rotation</td>
<td>• Will be the conditional grade until all requirements of this rotation are met</td>
<td>Failure to complete and submit within 14 days (about 2 weeks) from the end of the rotation</td>
</tr>
<tr>
<td>Requirement</td>
<td>Submission Method</td>
<td>Pass</td>
<td>Extended Grade</td>
<td>No Pass</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Student Evaluation of Clerkship Rotation</td>
<td>Can be accessed and submitted electronically by students within the dashboard of</td>
<td>Completed 100% by 11:59 pm the last day of the rotation</td>
<td>• Will be the conditional grade until all requirements of this rotation are met</td>
<td>Failure to complete and submit within 14 days (about 2 weeks) from the end of the rotation</td>
</tr>
<tr>
<td>(Class of 2024)</td>
<td>their Medtrics profiles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prosection Project and “Checkout”</td>
<td>Oral presentation to faculty advisor</td>
<td>• Completed projection project and completed “checkout”</td>
<td>• Will be the conditional grade until all requirements of this rotation are met</td>
<td>• Prosection project not complete with no plans to finish</td>
</tr>
<tr>
<td>Peer-Reviewed Journal Article Annotations (4-Week</td>
<td>Send to faculty advisor</td>
<td>• Sent to faculty advisor</td>
<td>• Will be the conditional grade until all requirements of this rotation are met</td>
<td>• Does not complete annotations</td>
</tr>
<tr>
<td>Rotation Only)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seminar-Style Presentation (4-Week Rotation Only)</td>
<td>30-minute oral presentation</td>
<td>• Completed presentation</td>
<td>• Will be the conditional grade until all requirements of this rotation are met</td>
<td>• Does not complete presentation</td>
</tr>
</tbody>
</table>