IM 666
Emergency Medicine Toxicology

CLERKSHIP ELECTIVE ROTATION SYLLABUS

OSTEOPATHIC MEDICAL SPECIALTIES
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stonest@msu.edu and katiegs@msu.edu

At 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.
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INTRODUCTION AND OVERVIEW

This course is designed to provide the student with an opportunity to actively engage in patient-based, learning experiences under the guidance of a faculty member (preceptor) in collaboration, as appropriate, with residents and/or fellows.

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:
  - Approvals from the facility where the rotation will occur and Clerkship Team (COM.Clerkship@msu.edu) is required for every selective/elective rotation.
  - The Toxicology rotation requires a supervising faculty member who has experience and daily work in a poison control or toxicology consult service. As such, scheduling at least 4 months in advance, with a defined curriculum provided for approval is necessary. The CV of the supervising faculty member, the goals and objectives of their particular rotation, and proposed schedule should be submitted 3 months in advance for approval by the instructor of record. Upon approval and written confirmation by the Instructor of Record, students will receive confirmation from the Clerkship Office for the course no later than 30 days prior to the rotation.
- Confirmation of approval from the IOR is to be sent to COM.Clerkship@msu.edu for final clerkship approval and scheduling.
- This course does not require preapproval from the IOR. The student should follow the below directions for elective course confirmation and enrollment.

Course Confirmation and Enrollment

- The student must be an active student at Michigan State University College of Osteopathic Medicine (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.
  - 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.
  - MSUCOM confirmation and enrollment is complete when the rotation is visible on the student’s schedule.
  - MSUCOM confirmation must occur at least 30 days in advance of the rotation.

ROTATION FORMAT

Rotations are typically two weeks, 3 credit hours or four weeks, 6 credit hours in duration. Timeframes for each rotation are decided at least 30 days prior to the beginning of the rotation. This rotation is most amenable to the two week, three credit hour format.

Rotation schedules are not to be submitted until the last Friday-Sunday of the rotation. You must document your actual schedule worked. You are required to document any time off for illness, boards, etc. that caused a deviation from the schedule you were provided. All rotation days must be accounted for.
The overall performance of course participants will be evaluated through customary assessment instruments normally employed by the department for core rotations, at the discretion of the instructor of record.

GOALS AND OBJECTIVES

GOALS
Course participants will:

1. Develop an appreciation of the practice of medicine as related to the specialty of the preceptor.
2. Assimilate what they learn and demonstrate their understanding of patient-care through ongoing interaction and dialogue with, as well as formative feedback from, the preceptor.
3. Demonstrate an understanding of the (seven) osteopathic core competencies (as applicable).

OBJECTIVES
This elective is designed for the student completing a formal Toxicology rotation at a site with a poison control center and/or a toxicology fellowship only. There are only a few sites in the country that offer these and the ability to obtain access, and arrange participation and travel is solely dependent on the student. The rotation must be set up at least four months ahead of travel, and the student must obtain college and departmental approval. Learning objectives are minimally defined below, and more formally may be detailed as well by the site that is offering the elective.

Clinical Skills

1. The student should complete a thorough medical history including details of current symptoms, previous issues and management efforts, and risk factors that could impact on the diagnosis or management of their current problem.
2. Perform a focused physical exam with appropriate emphasis on the presenting complaint.
3. Interpret common diagnostic tests utilized in the evaluation of the patient with a toxicology emergency, including lab, EKG and x-rays.

Socioeconomic: The student will:

1. Appreciate the psychosocial issues that potentially impact the patient’s toxicology disorder or condition (professionalism and sensitivity to schedule disruption and lifestyle modifications for the patient).

Assessment of Clinical Competencies:

Patient Care: The student will be able to complete an accurate history and physical exam and accurately document the findings, is the patient being evaluated or treated for a poisoning or drug overdose.

Medical Knowledge: The student can demonstrate knowledge of the criteria for diagnosis of poisoning or drug overdose, the typical methods used to encourage ongoing psychiatric care, the likely duration of observation and/or therapy for such conditions.
Communication Skills: The student can effectively present the clinical evaluation of a new patient and/or the clinical progress of a continuing patient, and communicate effectively with patients and clinical support staff, as well as the attending physician.

Professionalism: The student will demonstrate respect for patients, families, co-workers, and work effectively with ancillary staff.

Practice Based Learning: The student will be able to identify and discuss appropriate, evidence based approaches to assist in the diagnosis and management of clinical problems encountered in their patients.

Systems Based Practice: The student will be able to incorporate a team approach in the management of complicated wound patients.

Osteopathic Principles and Practices: The student should be able to integrate osteopathic principles and treatments in the management of the patient with a chronic wound.

Teaching Methods:
The student is expected to function as a viable member of the supervising physician’s health care team. Assigned student responsibilities can include:
- supervised first patient contact in the office or clinic,
- participation in conducting and the interpretation of diagnostic testing and clinical management.

Evaluation: The student is encouraged to solicit feedback related to his/her clinical performance on a daily basis. The student should receive formative performance evaluations at the mid-point and end of the rotation that outlines faculty perceived strengths and weaknesses related to the student’s performance that includes recommendations for strengthening his/her performance as warranted.

Toxicology: Introduction to the Poisoned Patient Objectives

1. State the basic principles of drug absorption, metabolism, and excretion
2. State the components of the COMA cocktail
3. Discuss the use of activated charcoal, including single and multiple dose, and its contraindications
4. Discuss the use of sorbitol as a laxative and its contraindications
5. Discuss the use of whole bowel irrigation and its indications
6. Discuss the concept of half-life and what it means in terms of antidote treatment and monitoring
7. Discuss the concept of fat soluble, water soluble and first pass effect in the context of an overdose

Toxicology: Acetaminophen, aspirin, alcohols Objectives

1. Be able to state the different rates of absorption of various salicylate containing products, and sources of salicylate besides aspirin
2. Be able to discuss the various stages of salicylate intoxication, and the assorted biochemical derangements that occur with each, including the various acid base disturbances
3. Know the signs and symptoms of mild, moderate and severe poisoning with salicylates
4. Be able to discuss the various modalities used to treat mild, moderate and severe salicylate poisoning
5. Know the recommended doses and potentially toxic doses of acetaminophen in adults and children
6. Be able to recognize the stages of acetaminophen poisoning
7. Understand the use and limitations of the Rumack - Matthew nomogram in acetaminophen poisoning
8. Be able to list the metabolic pathways of acetaminophen poisoning
9. Be able to select appropriate therapy for a patient with an acetaminophen overdose
10. Be able to diagram and understand the metabolism of ethanol, isopropyl alcohol, methanol, and ethylene glycol.
11. Know the signs and symptoms and timeline for consequences of ingestion of ethanol, isopropyl alcohol, methanol, and ethylene glycol.
12. Know the appropriate use of antidotes and treatment guidelines for ingestion of ethanol, isopropyl alcohol, methanol, and ethylene glycol.

**Toxicology: CNS stimulants: cocaine, ecstasy, PCP, Crystal Meth, bath salts**

- Objectives

  1. Be able to list the drugs that are considered stimulants.
  2. Understand the use of benzodiazepines in the management of the acutely agitated patient.
  3. Be able to list the medications and chemicals that lead to hallucinations.
  4. Understand the mechanism of hyponatremia and possible seizures from ecstasy.
  5. Be able to discuss cocaine related chest pain.
  6. Understand the diagnostic scenario of cannabinoid hyperemesis syndrome.
  7. Be able to use the eye signs to help differentiate the various stimulants, especially those causing hallucinations.

**Toxicology: Pediatrics: Pediatric Poisoning (NB)**

- Objectives: By the end of this module, a 4th year medical student will be able to:

  1. Identify at least 10 (ten) toxins of which the ingestion of a single pill or a single swallow can be lethal to a pediatric patient less than 2 years of age.

- Readings: Perform an independent internet search to identify at least 10 'One Pill Can Kill' toxins.

**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**

**SUGGESTED STUDY RESOURCES**

Desire 2 Learn (D2L)

Recommended Texts

There is no assigned textbook. Reading assignments are under the purview of the preceptor. In addition, the following are suggested for the modules provided.

Syllabus material and power point presentation provided in D2L on the general introduction to the poisoned patient


### ROTATION REQUIREMENTS

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>SUBMISSION METHOD</th>
<th>DUE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Types and Procedure Log</td>
<td>See page at the end of syllabus and upload into D2L Drop Box for the course</td>
<td>11:59 pm Last Sunday of Rotation</td>
</tr>
<tr>
<td>Clinical Shift Schedule/ and on-site curriculum if provided by site</td>
<td>Online D2L Drop Box</td>
<td><strong>Not to be submitted until the last Friday-Sunday of the rotation, and must be the schedule you worked, not what you were scheduled to work</strong></td>
</tr>
<tr>
<td>Toxicology Quiz on Objectives listed</td>
<td>Online in D2L</td>
<td>Achieve 75% by 11:59 pm on the last Sunday of the rotation.</td>
</tr>
<tr>
<td>Attending Evaluation of Clerkship Student</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>
</tbody>
</table>
The student who fails to turn in required paperwork, who has a verifiable reason why they failed to do so, will be allowed a 2-week grace period or more depending on the circumstances. Failure to meet this two week deadline will result in an N grade.

**Attending Evaluation of Student**

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.

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.

Students should keep a copy of the evaluation and leave the original with the Medical Education Office at the clinical training site where that office will review, sign, and forward the completed form to the COM Clerkship Team. 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. Be sure you are using the correct form.

**Student Evaluation of Clerkship Rotation**

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

**Unsatisfactory Clinical Performance**

The Instructor of Record and/or the Assistant Dean for Clerkship Education will review/investigate a student’s performance on a rotation when a concern is raised by the supervisor(s), and 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.

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 PROCESS
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:

• Following the rotation, the student will take a 16 question post-test examination. Materials will come specifically from the objectives list as above, found in access medicine through MSU library. Exam will be found in D2L. A 75% (12 points) is necessary to pass this portion of the rotation. If the student does not pass the exam a remediation exam will be offered one week after the end of rotation. If the student still does not pass, possible further remediation will be determined by chairperson up to and including the assignment of an N Grade.

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

Please note that while it is the responsibility of the student to ensure the Attending Evaluation of the Clerkship Student is completed, this requirement may extend beyond the corrective action date. Additionally, in the event of a COMAT failure on first attempt, the corrective action for the repeat COMAT may extend beyond 14 days.

As determined by the Instructor of Record, 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.

If a student successfully completes the Corrective Action process, as determined by the Instructor of Record, the student will receive credit for the deficient academic grading requirement(s) and be eligible for a rotation grade change from ET to Pass (pending the Attending Evaluation of the Clerkship Student and COMAT score).

BASE HOSPITAL REQUIREMENTS
Students are responsible for completing all additional requirements set by the hospital/clinical site in which the student is completing the rotation. Students are not responsible for reporting results of requirements outside the ones listed above to the college.

STUDENT RESPONSIBILITIES AND EXPECTATIONS
Course participants will meet the preceptor on the first day of the rotation at a predetermined location to be oriented to rotation hours, location(s), and expected duties and responsibilities while on-service.

• The student will meet the following clinical responsibilities during this rotation:
  o Students are expected to function collaboratively on health care teams that include health professionals from other disciplines in the provision of quality, patient-centered care.

• The student will meet the following academic responsibilities during this rotation:
Students are expected to identify, access, interpret and apply medical evidence contained in the scientific literature related to patients health problems.

Students are expected to: assess their personal learning needs specific to this clinical rotation, engage in deliberate, independent learning activities to address their gaps in knowledge, skills or attitudes; and solicit feedback and use it on a daily basis to continuously improve their clinical practice.

It is the students responsibility to notify the Clerkship Office (com.clerkship@msu.edu) immediately if they are placed on quarantine or contract COVID.

MSU COLLEGE OF OSTEOPATHIC MEDICINE STANDARD POLICIES

The following are standard MSUCOM policies across all Clerkship rotations.

ATTENDANCE POLICY

OVERVIEW

Michigan State University College of Osteopathic Medicine (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 vacations already appearing in schedules and should only request 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 these requirements according to the respective course syllabus.

GENERAL POLICY

- All absences from rotations must be excused absences obtained by completing the Clerkship Program Excused Absence Request Form.
  - Appropriate signatures must be obtained from both the attending physician and the student coordinator at the rotation site.
  - MSUCOM Assistant Dean for Clerkship Education must approve absences for prolonged illnesses, bereavement, research presentations/conferences, or absences exceeding the maximum time off any one rotation.
  - Once appropriate approval signatures are obtained, forms should be maintained for your records in the event they are requested or required at a later date.

- Unexcused absences are absences taken without the proper completion of the Clerkship Program Excused Absence Request Form, or absences outside of those listed 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).
<table>
<thead>
<tr>
<th>Length of rotation</th>
<th>Maximum number of days off</th>
<th>Exception for residency interviews from October to January in Year 4 only</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 weeks</td>
<td>2 days</td>
<td>Should an absence exceed these limits, the student is responsible for requesting additional days from the Assistant Dean for Clerkship Education via email (<a href="mailto:com.clerkship@msu.edu">com.clerkship@msu.edu</a>) prior to the absence.</td>
</tr>
<tr>
<td>2 weeks</td>
<td>0 days</td>
<td>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 during Year 4 for interview purposes only. If interview absences exceed these totals, the student must request additional days off from the MSUCOM Instructor of Record (IOR) for the course/rotation by submitting a Clerkship Program Excused Absence Request Form to the Course Assistant (CA). Contact information for the IOR and CA are found on the first page of the respective MSUCOM course syllabus.</td>
</tr>
<tr>
<td>Absence Type</td>
<td>Qualifications</td>
<td>Maximum number of days off</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Personal Day                 | Illness Medical/Dental appointments  
Wedding, family graduations  
(additional reasons must be discussed with the Asst Dean for Clerkship Education prior to request) | 5 total days per year  
(individual events must comply with the max of 2 days off any 4-week rotation) | Vacations must be planned during allotted vacation time in schedule. Vacations are not acceptable personal day absences. | No                                                                      |
| Jury Duty                    | Court documentation must accompany the Clerkship Program Absence Request Form. | N/A                                                                                       | Jury duty, when obligated, is not considered a personal day absence                                                                                                                                      | Yes                                                          |
| Hospital-organized community events | Example: Special Olympic Physicals                                                 | N/A                                                                                       | These events would be considered part of the rotation and not a personal day absence.                                                                                                                    | No                                                          |
| Examination                  | COMLEX USA Level 2  
CE/USMLE Step 2  
CK/Canadian MCCEE                                                             | 1 day                                                                                     | Students should be reporting to rotation before/after examination                                                                                                                                      | No                                                          |
|                             | COMAT/NBME shelf examinations                                                   | Time required to complete exam                                                            |                                                                                                                                                                                                         |                                                              |
| Conference/Research Presentation | Research presentation on core rotation                                            | Travel and presentation time only                                                         | While on required/core rotations, no excused absences for any professional meeting will be allowed unless the student is presenting research in which they have participated.  
Required for request to Asst Dean for Clerkship Education;  
conference agenda, location, date of presentation, invitation, or confirmation of presentation by conference staff, proposed dates of absence. | Yes                                                          |
|                             | Conference or research presentation while on an elective rotation                | 3 days on a 4-week elective rotation                                                      | Student must submit Clerkship Program Excused Absence Request Form and copy of conference agenda to the Assistant Dean for Clerkship Education to attend one (1) professional meeting on a 4-week rotation.  
Students cannot miss rotation days for a conference during a 2-week elective rotation. | Yes                                                          |
| Prolonged Illness, Bereavement, Maternity Leave | Medical related absence or bereavement                                           | TBD                                                                                       | Students-contact the Assistant Dean for Clerkship Education to discuss time off rotations                                                                                                                     | Yes                                                          |

*Clerkship Program Excused Absence Request Forms* - Once appropriate approval signatures are obtained; forms should be maintained for your records in the event they are requested or required at a later date.
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 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 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 is 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.

**STUDENT 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.

**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.
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 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 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 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, if exposure incident occurs: enright4@msu.edu.

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 has been determined, the student may be issued a **Verified Individualized Services and Accommodations** (VISA) form. Students must present this VISA form to the Clerkship Team (COM.Clerkship@msu.edu), A-332 East Fee Hall, at the start of the semester in which they intend to use their accommodations (for tests, projects, labs, etc.). Accommodation requests received after this date will be honored whenever possible.

If updates or modifications to an existing VISA form are made after the semester begins, it is the responsibility of the student to submit an updated version to the Clerkship Team if he or she intends to use the new accommodation going forward.
### STUDENT EXPERIENCE LOG

**Student Name** ________________________ **Student ID#:** ___________________________

Patient Types and Procedure Log:

<table>
<thead>
<tr>
<th>Procedure</th>
<th>#Required</th>
<th>Pt. Initials</th>
<th>Date</th>
<th>Supervisor Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interpret three EKG’s obtained in patient’s suffering from a toxicology problem</td>
<td>1.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.</td>
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<tr>
<td>Review the interpretation of an acetaminophen level Against the Rumack-Matthew nomogram in two patients</td>
<td>1.</td>
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<td>2.</td>
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<tr>
<td>Participate in five toxicology consults or poison control calls.</td>
<td>1.</td>
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<td>2.</td>
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<td>5.</td>
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<tr>
<td>Discuss the Poison Control Center utility, rationale for existence and funding structure with the preceptor</td>
<td>Date:</td>
<td></td>
<td></td>
<td>Preceptor Signature:</td>
</tr>
</tbody>
</table>
# SUMMARY OF GRADING REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Submission Method</th>
<th>Honors</th>
<th>Pass</th>
<th>Extended Grade</th>
<th>No Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Types and Procedure Log</td>
<td>See page at the end of syllabus and upload into D2L Drop Box for the course</td>
<td>N/A</td>
<td>Completed and submitted by 11:59 pm Last Sunday of Rotation</td>
<td>The student who fails to turn in required paperwork, who has a verifiable reason why they failed to do so, will be allowed a 2-week grace period or more depending on the circumstances, Failure to meet this two week deadline will result in an N grade.</td>
<td>The student who fails to turn in required paperwork, who has a verifiable reason why they failed to do so, will be allowed a 2-week grace period or more depending on the circumstances, FAILURE TO MEET THIS TWO WEEK DEADLINE WILL RESULT IN AN N GRADE.</td>
</tr>
<tr>
<td>Clinical Shift Schedule/ and on-site curriculum if provided by site</td>
<td>Online D2L Drop Box</td>
<td>N/A</td>
<td>Not to be submitted until the last Friday-Sunday of the rotation, and must be the schedule you worked, not what you were scheduled to work</td>
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</tr>
<tr>
<td>Toxicology Quiz on Objectives listed</td>
<td>Online in D2L</td>
<td>N/A</td>
<td>Achieve 75% Completed and submitted by by 11:59 pm on the last Sunday of the rotation.</td>
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</tr>
<tr>
<td>Requirement</td>
<td>Submission Method</td>
<td>Honors</td>
<td>Pass</td>
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<tr>
<td>Attending Evaluation of Clerkship Student</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>N/A</td>
<td>Completed and submitted by Last Day of Rotation</td>
<td>The student who fails to turn in required paperwork, who has a verifiable reason why they failed to do so, will be allowed a 2-week grace period or more depending on the circumstances, Failure to meet this two week deadline will result in an N grade.</td>
<td></td>
</tr>
<tr>
<td>Student Evaluation of Clerkship Rotation</td>
<td>Can be accessed and submitted via the “Student Evaluation” link in Kobiljak online schedule.</td>
<td>N/A</td>
<td>Completed and submitted by Last Day of Rotation</td>
<td>The student who fails to turn in required paperwork, who has a verifiable reason why they failed to do so, will be allowed a 2-week grace period or more depending on the circumstances, FAILURE TO MEET THIS TWO WEEK DEADLINE WILL RESULT IN AN N GRADE.</td>
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