

**PMR 601**  
**Physical Medicine and Rehabilitation**  
**Selective/Elective Clerkship Rotation Syllabus**

**Physical Medicine and Rehabilitation**

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***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 major changes will generally be instituted at the beginning of the school year, most minor changes may be implemented semester to semester.***

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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)

## **Introduction and General Description of Course**

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.

**Clerkship in Physical Medicine and Rehabilitation** is a 3-credit hour, 2-week long elective course that provides students with exposure to inpatient and/or outpatient physiatric treatment of a general PM&R patient population.

## **Goals and Objectives**

### **GOALS**

1. Students will gain a basic understanding of the practice of Physical Medicine and Rehabilitation (PM&R)
2. Students will appreciate the elements of patient care as they apply in both the inpatient acute rehabilitation and outpatient

### **OBJECTIVES**

1. By the end of the rotation 3<sup>rd</sup> or 4<sup>th</sup> year students will be able to identify three commonly encountered PM&R diagnoses
2. By the end of the rotation 3<sup>rd</sup> or 4<sup>th</sup> year students will be able to identify therapeutic disciplines which are commonly members of the PM&R interdisciplinary team
3. By the end of the rotation 3<sup>rd</sup> or 4<sup>th</sup> year students become familiar with the basic PM&R references listed below.

## **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 here: <https://com.msu.edu/about-us/accreditation/program-overview>.

From this website, you may find the Program Level Educational Objectives more definitively outlined here:

<https://com.msu.edu/application/files/3115/5613/8820/Program-Level-Educational-Objectives-KSA.pdf>.

## **References**

### **Recommended:**

1. Delisa and Gans. Rehabilitation Medicine, Fifth Edition. Located in the MSUCOM Book Store and on-line

### **Optional:**

1. O'Young, Young, Stiens. Physical Medicine and Rehabilitation Secrets, Third Edition . Located in the PM&R SPB 520 outpatient clinic, in the MSUCOM Book Store and on-line.

## **Student Responsibilities**

Student are expected to attend this rotation, Monday through Friday from approximately 7:30 to 18:00.

- The student **will** meet the following **clinical responsibilities** during this rotation:
  - Contact Course Coordinator at the hospital rotation is taking place **before start of rotation** regarding Medical Student rotation requirements
  - Arrive on time for the all PM&R Clinics and for Inpatient Rounds as arranged with the Chief Residents.
  - Wear professional clothing and/or white clinic jacket
  - Students are expected to function collaboratively on health care teams that include health professionals from other disciplines in the provision of quality, patientcentered 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.

**Meeting or not meeting the above responsibilities will be used by the instructor of record in the determination of the final grade in the course.**

## **Hospital/Clinical Site Requirements**

**(To be defined and evaluated by individual hospitals)**

Students are responsible for completing any and all additional requirements set by the hospital/clinical site in which the student is completing the rotation. However, students are not responsible for reporting results of requirements outside the ones listed above to the college.

## **Clerkship in Physical Medicine and Rehabilitation Rotation Clinical Requirements**

| <b>Requirements</b>   | <b>Submission Method</b>  | <b>Due Date</b>       |
|---|---|-----------------------|
| Attending Evaluation of Rotation<br>*the determination of a satisfactory attending evaluation is governed by the College's Policy for Retention, Promotion, and Graduation* | To be appropriately submitted per the instruction at the end of each evaluation form                  | Final Day of Rotation |
| Student Evaluation of Rotation  | "Evaluate" Link in Kobiljak Schedule<br>(this link will activate on the final Monday of the rotation) | Final Day of Rotation |

# **Unsatisfactory Clinical Performance**

A designation given to any student who:

- Receives one (1) and/or two (2) N grades in any Clerkship course; and/or
- Receives two (2) or more overall “Below Expectations” ratings on any Clerkship rotation evaluation; and/or
- Displays indicators of marginal performance on any clerkship rotation.
- The student will be required to appear before the COSE Clerkship Performance Subcommittee.
- Any student failing to appear, when directed, without due cause, or fails to meet any Subcommittee requirement, will be suspended from the College.

**IMPORTANT NOTE:** The student will maintain an “Extended” (ET) grade until they have successfully completed all academic and clinical requirements for the course.

## **Clerkship in Physical Medicine and Rehabilitation** **Core Competencies/Learning Modules**

This rotation will expose students to the core competencies as applied in a PM&R setting, including Medical Knowledge, Patient Care, Practice Based Learning Communication Skills Professionalism and Osteopathic Principles and Practice.

### **MEDICAL KNOWLEDGE**

#### **Goal:**

Medical students should demonstrate a basic ability to access the medical literature in search of commonly cited studies pertinent to PM&R, as well as the ability to apply evidence-based knowledge to patient care.

#### **Objectives:**

1. Discuss the diagnosis and rehabilitation of the common system disorders seen in an outpatient PM&R clinic.
2. Describe basic sciences relevant to PM&R such as anatomy, physiology, pathology and pathophysiology of the common system disorders seen in an outpatient PM&R clinic.

3. Demonstrate basic skills in reviewing PM&R specific, patient laboratory results and imaging reports.

## **PATIENT CARE**

### **Goal:**

Medical students should have patient interactions that are compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

### **Objectives:**

1. Demonstrate the basic skills necessary to gather and present a patient history and to perform a PM&R specific musculoskeletal physical examination.
2. Demonstrate familiarity with safety and universal precautions when examining patients.

## **PRACTICE-BASED LEARNING**

### **Goal:**

Medical students should demonstrate the ability to research and assimilate basic scientific evidence.

### **Objectives:**

1. Identify strengths, deficiencies, and limits of experience
2. Set personal learning and improvement goals
3. Identify and perform appropriate learning activities

## **COMMUNICATION SKILLS**

### **Goal:**

Medical students should demonstrate interpersonal and communication skills that result in the effective exchange of information with patients, their families, and health professionals.

### **Objectives:**

1. Communicate effectively with patients, families, and health professionals across a range of socioeconomic and cultural backgrounds
2. Communicate effectively with other health professionals

## **PROFESSIONALISM**

### **Goal:**

Medical students should demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

### **Objectives:**

1. Demonstrate compassion, integrity, and respect for others
2. Model responsiveness to patient needs that supersedes self-interest
3. Respect patients' privacy and autonomy

## **OSTEOPATHIC PRINCIPLES AND PRACTICE**

### **Goal:**

Medical students should demonstrate an interest in and basic understanding of the use common manual medicine techniques including HVLA, SCS and MFR and be familiar with the basic principles of osteopathy.

### **Objectives:**

1. Demonstrate basic osteopathic manipulative treatment skills
2. Perform a basic structural and placatory examination, with assistance, in patients with musculoskeletal complaints



# **MSU College of Osteopathic Medicine Standard Policies**

The following are the standard MSUCOM policies students must adhere to across all Clerkship courses/rotations.

## **CLERKSHIP ATTENDANCE POLICY**

### **Policy Overview**

In order to gain the knowledge and skills to successfully complete the MSUCOM clerkship program, consistent participation/attendance in program activities is essential. Any time off must not interfere with the quality of the rotation.

1. In the event a student needs to be, absent from any rotation for the reasons listed below and permissible by the rotation syllabus, students may request time off.
2. Any absence (unless emergent) must be approved in advance (at least 30 days) of absence by the medical education department (student coordinator/director or DME), utilizing the Clerkship Program Excused Absence Request Form. Students must notify rotation team and medical education of emergent/illness absences on day of absence.
3. A student may not be absent more than 2 days on any one 4-week rotation (no time off allowed for rotations of 2 weeks or less) for the reasons below (exception Interview absences or Conference absences as below).
4. Any additional time off any one rotation must be approved by the MSUCOM Instructor of Record for the course the absence will occur.

### **Absence due to residency interviews:**

For interviewing only, a student may be absent 4 days on a 4-week rotation (2 days on a 2-week rotation) during the months of September to January in the OMS year 4. Interview invitations must accompany the Clerkship Program Excused Absence Request Form.

### **Absence due to examinations:**

The maximum time off, including travel time, is listed below for the following examinations:

1. COMLEX USA Level 2 CE/USMLE Step 2 CK/Canadian MCCEE: 1 day
2. MSUCOM COMLEX PE Simulation at MSU: 1 day for each scheduled simulation
3. COMLEX USA Level 2 PE/USMLE Step 2 CS(Canadian Students Only): 2 days
4. COMAT/NBME shelf examinations: Travel time and time for exam

### **Personal Day Absence:**

1. Students are allowed a maximum of 5 personal days per academic year in OMS 3 and OMS 4. These days are not carried over from third year to fourth year. These are to be used for illness, physician appointments, and special events (weddings, graduations, special anniversary events) and must not exceed 2 days on any 4-week rotation (#3 above). Any need for time off other than listed will need MSUCOM Assistant Dean for Clerkship approval.

2. Prolonged illness and bereavement will be handled on a case-by-case basis between MSUCOM Assistant Dean for Clerkship and the base hospital/medical education department.
3. Students must notify rotation team and medical education of emergent/illness absences on day of absence.

### **Hospital organized community events that might lead to periodic absence from rotations**

1. Student participation is encouraged and if base hospital approved, would be considered part of the rotation and not a personal day absence.

### **Jury duty**

1. When obligated, student participation in jury duty is not considered a personal day. Court excuses must accompany any absence. If absence is prolonged, this will be handled on a case-by-case basis between the base hospital/medical education and MSUCOM.
2. Please note that being on reserve for jury duty does not qualify for absence from an assigned clerkship rotation.

### **Conferences**

1. 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.
  - a. Appropriate paperwork with proof of presentation and copy of conference agenda must accompany the form.
  - b. Time off in this situation will be for travel and presentation only.
2. While on selective/elective rotations: A student may submit a request for an excused absence to attend one (1) professional meeting, time not to exceed 3 days off rotation. The meeting agenda must accompany the Clerkship Program Excused Absence Request Form.

### **Vacations/Other**

1. Personal vacations, family reunions, etc. are not part of this policy. Vacations can be scheduled periodically, provided all curriculum requirements will be met, with the assistance of your Clerkship Resource Specialist.
2. Vacations will not be permitted on any core rotation or elective rotation

## **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.

### **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](http://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 Accommodation (VISA) form. Students must present this VISA form to the Clerkship Team ([COM.Clerkship@msu.edu](mailto: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 ([COM.Clerkship@msu.edu](mailto:COM.Clerkship@msu.edu)) if he or she intends to use the new accommodation going forward.

## **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.

## **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. In Years 3 and 4, the ET grade is used instead of an “Incomplete (I)” grade. 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)

## **ROTATION EVALUATIONS**

**Attending/Faculty/Resident 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 Clerkship schedule:

[http://hit-filemakerwb.hc.msu.edu/Clerkship/login\\_student.html](http://hit-filemakerwb.hc.msu.edu/Clerkship/login_student.html)

Students should assertively 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” resulting in an “N” grade and review by the Committee on Student Evaluation (COSE) and/or the College Hearing Committee.

**Student Evaluation of Rotation** Students will submit their rotation evaluations electronically at the conclusion of every rotation by accessing the evaluation system at:

[http://hit-filemakerwb.hc.msu.edu/Clerkship/login\\_student.html](http://hit-filemakerwb.hc.msu.edu/Clerkship/login_student.html)