MICHIGAN STATE UNIVERSITY | College of Osteopathic Medicine

OST 592 – Self-Directed Integration of Medical Knowledge
Spring Semester 2024
Updated: 1.4.24 (des)

Notice to Students: Although Elective syllabi at MSUCOM have a consistent format; vitally important details differ by Elective. For this reason, you must read the syllabus thoroughly at the onset of each elective to understand what educational activities will be provided and what is expected of you.

Section 1 – Course Information

Elective Description

This hybrid course is <u>not</u> available to students who are currently enrolled full time in the MSUCOM preclerkship curriculum.

OST 592 is a 6 -credit hour course that will utilize two approaches 1) Coaching and 2) SCILS (Supporting Competency in Integrated Learning) workshops to enable the student to conduct a successful, self-directed review of Foundational Biomedical Science (FBS) information. The students will be guided and encouraged to integrate this information with medical systems content knowledge and clinical correlations. The course will include checkpoints through submission of written self-assessment reflections (SAR) that will be reviewed by instructors; regularly scheduled meetings and feedback in person, through zoom, or by phone call; regularly scheduled Workshops. Access to instructors will be available during the scheduled sessions and as needed. Live and on-demand web-based presentations will supplement the student's self-directed review and integration.

Honesty with oneself and instructors is key in this course. Being honest in the reflection papers as to the struggles encountered as you independently study and learn will help the instructors better support you. Active participation and student engagement are essential to success in this course. You are required to participate in this course. This means that in order to get full credit for participation, you will need to complete your assignments, written SARs, meetings, and class sessions (Workshops) in a timely manner.

Course Goals

The goal of this course is to enable the student to be successful in a self-directed review of FBS information integrating medical content knowledge and clinical correlations by providing structure, support, study guides, and resources.

Self-Directed Learning in OST 592

It is a goal at MSUCOM to promote self-directed learning to help our students grow into strong, self-directed future clinicians. Self-directed learning is also required by medical school accreditation standards. It is a 4-step process that occurs within an encapsulated timeframe. One of the ways this will take shape in OST 592 is through the development of individualized learning plans by each student.

Provide Self-Assessment of Learning Needs

- Students will be encouraged to explore existing feedback on performance, progress, course performance, quintile rank, exam performance, skills performance, and any other available data.
- This activity will help the student identify areas of learning that warrant further focus.
- Students will develop a learning plan that makes these needs and related plans concrete.

Identification, Analysis, & Synthesis of Information

- Students will be provided with a framework for recognizing clinical patterns along with other learning resources to guide their thinking while they independently identify, analyze, and synthesize content.
- Students will use a variety of curricular and external resources specific to their learning needs and learning plan as they integrate basic science, systems, and clinical concepts.

Appraisal of Information Credibility

- Resources such as the COMBANK Question Bank questions, First Aid Board Review, and the NBOME blueprint and tests will provide useful reference points as students appraise the credibility of new or reviewed information in relation to their identified learning needs.

Feedback on Information-Seeking Skills

- Course Director will provide individual guidance and feedback as requested.
- Students are encouraged to discuss their learning plan with academic advisors to get additional feedback.

The course instructors will strive to help students make connections to Osteopathic Considerations for Core Entrustable Professional Activities (EPAs), especially the following selected items.

EPA 1: Gather a history and perform a physical examination.

- Identify pertinent history elements in common presenting situations, symptoms, complaints, and disease states (acute and chronic).
- Identify, describe, and document abnormal physical exam findings, including osteopathic structural findings (e.g. somatic dysfunction, TART, etc.).

EPA 2: Prioritize a differential diagnosis following a clinical encounter

- Integrate the scientific foundations of medicine with clinical reasoning skills to develop a differential diagnosis and a working diagnosis.

EPA 3: Recommend and interpret common diagnostic and screening tests.

- Provide a rationale for the decision to order the test
- Interpret the results of basic diagnostic studies (both lab and imaging)

Course Director

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

Name: Chinyere Tobias, MA
Phone: 734-288-8378
Email: tobiasoq@msu.edu (preferred method)
Address: 4707 St. Antoine, Detroit, MI- 48201

Staff or Student Coordinator

Name: Donna Stern
Phone: 313-578-9667

Email: sterndon@msu.edu (preferred method)
Address: 4707 St. Antoine, Detroit, MI- 48201

Instructors

Name	Email	Site
Chinyere Tobias, MA	tobiasog@msu.edu	DMC
Jane Gudakunst	Gudakun2@msu.edu	EL
Carol Restini, PhD (Pharm)	restinic@msu.edu	DMC/MUC
Mangala Sadasivan, PhD	asadasiva@msu.edu	EL
Janice Schwartz, PhD	Schwa317@msu.edu	DMC

Lines of Communication

- For administrative aspects of the Course: contact the Course Director.
- For content questions relating to a specific lecture or topic: contact the faculty presenter for that specific portion of the course or your SE MI on-site instructor.
- For absences/missed exams (see excused absence information below)

Office Hours

Questions concerning the course may be discussed individually by making an appointment with the Course Director, *Chinyere Tobias by* e-mail: *tobiasog@msu.edu* . The course director is generally available by appointment only

Textbooks and Reference Materials

Required: None

Recommended:

The student will identify the SDL resources that they wish to use for this course. The student is encouraged to utilize **textbook resources and materials from basic sciences and systems courses**, **video presentations, Qbank practice questions, First Aid Study Guide, and Pathoma**. The student may use other resources, including additional textbooks, online references, and question banks. **The student is strongly encouraged to take standardized simulated examinations.**

Resources on academic skills and board exam preparation may be found at On Target for Academic Success at MSUCOM. Additional recommended resources are listed below:

- Brown, Peter (2014) Make It Stick: The Science of Successful Learning. Belknap Press
- Weinstein, Yana, Sumeracki, Megan with Caviglioli, Oliver (2018). Understanding How we Learn
- Learning Style Information
  - The Success Types Learning Style Type Indicator: J.W. Pelley, B.K. Dalley Success types for medical students: A program for improving academic performance. Texas Tech University Extended Studies, Lubbock, TX (1997)
  - Pelley Learning Success Types Self Assessment

  - Learning Style Inventory

- [COMLEX Blueprint:](#)

- [Entrustable Professional Activities (EPA)](#)

- Question Banks
  - [COMBANK](#)
  - [COMQUEST](#)
  - [USMLE](#)

Elective Schedule

This elective is presented for 15 consecutive weeks. General scheduling for the educational activities of this elective are as follows:

Day/Date	Times	Required Activities	Specific Information
Tuesdays	9am - noon	Weekly Workshops	

Additional meetings will be scheduled for individual feedback

Web-based resources and presentations will be available as needed.

Students are strongly encouraged to meet with an ACA advisor during the first two weeks of class to determine strategies for their unique needs.

Required Exams/Assessments

There are no required examinations in this course. Assessment will be based on completion of self-assessment reflections (SAR), attendance at mandatory meetings, active participation in workshops, and use of resources for SDL.

Required Proctoring Arrangements

Not applicable to this elective.

Course Grades

The course faculty determine the threshold for satisfactory performance in each preclerkship course. Your course grade is determined by completion of the required activities.

♣ P-Pass— means that you have achieved a satisfactory level of performance and will receive credit for this course. To obtain a "P" grade for this course, you must:

- Earn 70% or higher of the total available points (154 of 220 pts) AND attend at least 12 of 15 weekly workshops.
- N-No Grade— means that you have not achieved a satisfactory level of performance and no credit will be granted for this course.

• Remediation – there is no remediation available for this course.

Format	Required Assignment	Due Date	Point
Pre-Learning Assessment	Learning contract		5 pts
Pre-Learning Assessment	Success type Indicator & Study Habits Assessment		10 pts
Written Essay	Self-Directed Learning Plan		30 pts
Participation	Attendance and Engagement at Weekly Class Workshops and Apply and Connect Sessions	Weekly	5 pts (weekly) for a total of 75 pts
Written Essay	Self-Assessment Reflections	Weekly	10 pts each for a total of 100 pts
	Total Number of Points		**220 pts**

- Engage in independent, self-directed review and integration of FBS information Actively participate in course meetings and Workshops as scheduled
- Complete and submit Self-Assessment Reflection (SAR) documents on time
- Complete simulated standardized test(s) as assigned and directed by instructors
- Determine need for additional resources in consultation with instructors and advisors

remediation option is available.

Student Evaluation of the Course

We want your feedback on how to improve this course.
- Informal Feedback: Feel free to approach the Course Director, Chinyere Tobias, or any of the other course faculty with your reactions and suggestions. Or write out your comments and email them to the Course Director or Faculty. From time to time, we may also convene focus groups of students, as an additional way to elicit your opinions and suggestions.
- An informal course evaluation form will be sent to the students by the Course Director. The feedback from these forms is used for continuous course improvement for future course iterations.

Section 2 – Policies

Please refer to the https://com.msu.edu/current-students/student-handbook-course-catalog for these and other policies.

Academic Honesty and Professionalism

Every student is responsible for their behavior and is expected to adhere to all MSU and MSUCOM policies of academic honesty and professionalism, as outlined in the MSUCOM Student Handbook and the MSU Medical Student Rights and Responsibilities. These documents may be found on the MSUCOM website. Additional guidance on academic integrity may be found on the MSU Ombudsperson's website

at https://ombud.msu.edu/resources-self-help/academic-integrity

Incidents of academic dishonesty or professional misconduct will be addressed by the faculty, administration, or staff; such action may include, but is not limited to: giving a failing grade, referring a student for judicial review, directing the student to the Associate Dean of Medical Education, evaluation by the Committee on Student Evaluation, and other actions outlined in the Medical Student Rights and Responsibilities document.

Types of Class Sessions

MSUCOM designates lectures and other class sessions by their delivery method. While additional terms may be used in a specific course, the following will provide general guidance to the type of session:

- Live or livestream lecture: broadcast at a designated time; intended to be viewed synchronously
- Online Lecture: recorded content, may be viewed asynchronously
- Webinar: more interactive session where student participation is expected
- Lab: may refer to on-site clinical skills training or online lab session; see details

Changes to Course Schedule or Requirements

Due to external circumstances, the course requirements published in the course syllabus and/or course schedule may be subject to change. Timely notification Communication regarding changes will be provided to enrolled students via the course D2L site and/or email. Any changes made will consider the MSU Code of Teaching Responsibility and the MSU Medical Students Rights and Responsibilities.

Mandatory and Optional Class Sessions

All lectures and other class sessions are considered to be integral to the course, and students are expected to attend, view, or participate in each session. Some sessions are designated as "mandatory" in that attendance at the session on the scheduled date and time is required. Depending on the course, a student may earn points for attending or participating in a mandatory session or may lose points for failing to attend or participate. Availability of make-up points for missed sessions is at the discretion of the course coordinator. Optional class sessions are offered by faculty to assist students in learning or reviewing course content.

Absences from Mandatory and Examinations/Assessments

It is the responsibility of the student to know which class sessions are deemed as mandatory and comply with the MSUCOM policy regarding absences from mandatory sessions and examinations. This policy may be found in the MSUCOM Student Handbook on the MSUCOM website. Requests for an excused absence must be submitted via the student portal.

Computer-Based Testing

It is the responsibility of each student to know and comply with the MSUCOM policy on computer-based testing. This policy may be found in the MSUCOM Student Handbook on the MSUCOM website.

Administration of quizzes, examinations, and other assessments may be self-proctored, virtual proctored, or classroom proctored. Regardless of the proctoring method, you are expected to take the exam in a quiet, private setting. Just like in a proctored exam, you are not to access notes, textbooks, references, your phone, or other materials, and you are not to interact with fellow students or others. Remember that integrity is defined as what you do when no one is looking.

You are also expected to not record, photograph, take screen shots, make notes of, or otherwise attempt to make a copy of any exam item for any purpose, including your personal use. A student who is discovered to have cheated or breached exam security will be subject to formal disciplinary action, up to and including dismissal from MSUCOM.

If you have concerns or evidence of an exam security breach on this or any exam, you may report that to an MSUCOM administrator or through the online concern form.

Medical Student Rights and Responsibilities

If problems arise between instructor and student, both should attempt to resolve them by informal, direct discussions. If the problems remain unsolved, the Associate Dean for Medical Education and/or the MSU Ombudsperson may be consulted. The MSU Medical Student Rights and Responsibilities (MSRR) document defines processes for additional steps, including submission of a formal grievance. The MSSR may be found in the MSUCOM Student Handbook and online at splife.studentlife.msu.edu.

iClicker Reef/(iClicker Student) Policy

It is your responsibility to know and comply with the iClicker Reef (iClicker Student) Policy. This policy may be found in the MSUCOM Student Handbook. If you forget your device or if it does not work, for whatever reason, no make-up experiences will be provided, and no points will be given.

If iClicker Reef/Iclicker Student is used to take attendance for an on-campus event, you will be expected to arrive to the physical location on time and to stay for the duration of the assigned activity. If iClicker Polling is used to take attendance for an online event, you will be expected to start the session at the scheduled time and participate for the duration of the assigned activity.

As a matter of professionalism, please note that under no circumstances should you provide access to your iClicker Reef/Student account to another student by sharing your device and/or account login, nor should you accept another student's device or login credentials to access iClicker Polling on their behalf.   Answering questions or checking in for attendance on behalf of another student by using their device or account is considered to be academic dishonesty and may result in disciplinary action up to and including dismissal from the college.

Remediation

The MSUCOM Policy for Retention, Promotion and Graduation requires successful completion of each required course to progress in the curriculum. Remediation is not available for preclerkship electives.

Student Safety and Well-being

The MSUCOM website and Student Handbook provide information on student safety, campus security, access to medical care and counseling services, and to policies on injuries and exposures. If you have an injury or acute illness on campus, an incident report should be completed. The form is available on the MSUCOM intranet or from Academic Programs.

Academic Support Resources at MSUCOM

As a way to acclimate you to the curriculum at MSUCOM, we have created a program called On Target:
https://michiganstate.sharepoint.com/sites/OnTargetforAcademicSuccess

On this site you will find semester roadmaps which gives a general overview of each semester, tools needed to be successful in the curriculum and targeted resources for your unique learning situation. In each semester's road map, you will also find course expectations, tips for success, potential trouble spots, longitudinal course integration, and specific course study guides.

Requests for Accommodations

Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities (RCPD) at 517-884-7273 or online at rcpd.msu.edu. Once eligibility for an accommodation has been determined, you may be issued a Verified Individualized Services and Accommodation (VISA) form. Each VISA includes an expiration date; to request an accommodation, you must have an active VISA. You may work with RCPD to renew a VISA.

During the preclerkship curriculum, the college will help to coordinate accommodations for additional testing time. Provide your VISA to Nancy Thoma, thoman@msu.edu, A333 East Fee Hall at the start of the term and/or at least two weeks prior to the assessment event (test, project, labs, etc.). Requests for accommodations received with less notice will be honored whenever possible. You may choose whether or not you wish to use accommodations for a particular event. For other accommodations, you may also review your VISA with the course coordinator and curriculum assistant assigned to that course.

Title IX Notifications

Michigan State University is committed to fostering a culture of caring and respect that is free of relationship violence and sexual misconduct, and to ensuring that all affected individuals have access to services. For information on reporting options, confidential advocacy and support resources, university policies and procedures, or how to make a difference on campus, visit the Title IX website at titleix.msu.edu.

Limits to confidentiality. Essays, journals, and other materials submitted for this class are generally considered confidential pursuant to the University's student record policies. However, you should be aware that University employees, including instructors, may not be able to maintain confidentiality when it conflicts with their responsibility to report certain issues to protect the health and safety of MSU community members and others. Instructors must report the following information to other University offices (including the Department of Police and Public Safety):

- Suspected child abuse/neglect, even if this maltreatment happened when you were a child;
- Allegations of sexual assault, relationship violence, stalking, or sexual harassment; and
- Credible threats of harm to oneself or to others.

These reports may trigger contact from a campus official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like to talk about these events in a more confidential setting, you are encouraged to make an appointment with the MSU Counseling and Psychiatric Services.

Addendum: Course Schedule

The course schedule for the current semester will be posted to D2L. Changes to the course schedule will be noted on the class academic calendar ("Google calendar") and communicated to students via D2L and/or email. The schedule for the most recent offering of this course will be posted on the MSUCOM website under Current Students/Preclerkship Curriculum.