

OST 574 – Female Reproductive System
Summer Semester 4 – 2023

Table of Contents

| | |
|---|----|
| Course Description..... | 2 |
| Measurable Course Objectives | 2 |
| College Program Objectives..... | 3 |
| Course Director | 3 |
| Course Faculty..... | 3 |
| Curriculum Assistants..... | 3 |
| Lines of Communication | 4 |
| Course Liaisons..... | 4 |
| Office Hours | 4 |
| Course Web Site..... | 4 |
| Textbooks and Reference Materials | 4 |
| Course-based Academic Support..... | 5 |
| Courses Begin and End Dates..... | 5 |
| Exams/Assessments..... | 5 |
| Course Grades..... | 6 |
| Group Discussion/Clinical Scenarios | 6 |
| Ovarian Cancer Survivors Presentation | 7 |
| Student Evaluation of the Course | 7 |
| Section 2 – Policies..... | 7 |
| Academic Honesty and Professionalism | 7 |
| Types of Class Sessions | 8 |
| Mandatory and Optional Class Sessions | 8 |
| Absences from Mandatory and Examinations/Assessments..... | 8 |
| Computer-Based Testing..... | 8 |
| Medical Student Rights and Responsibilities | 9 |
| Remediation..... | 9 |
| Student Safety and Well-being | 9 |
| Requests for Special Accommodations..... | 9 |
| Title IX Notifications..... | 10 |

Notice to Students: Although course syllabi at MSUCOM have a consistent format, important details differ by course. For this reason, you must read the syllabus thoroughly at the onset of each course to know what the course will provide and what is expected of you.

Section 1 – Course Information

Course Description

OST 574 Female Reproduction System is a 3-credit hour course that provides students with the basic science foundation in normal reproductive anatomy and physiology, microbiology, teratology, and pathophysiology of the female (46 XX genomic person) reproductive system.

Measurable Course Objectives

1. Clinical - Explore common presentations related to the female reproductive system that intersect with clinical disciplines such as: obstetrics/gynecology, internal medicine, family medicine, psychiatry/behavioral medicine, preventive/occupational medicine, pathology, radiology, emergency medicine, etc.
2. Anatomy/Physiology - Summarize anatomical and physiological structure-function relationships in the female reproductive system to differentiate between normal and abnormal function. This includes the vulva, vagina, cervix, uterus, fallopian tubes, ovaries, breasts, and other supportive structures such as glands, ligaments, etc.
3. Pathology/Pathophysiology - Examine the physiologic basis of health and the pathophysiologic basis of disease through selected clinical presentations of the female reproductive system as it pertains to the primary care physician, such as: common gynecologic problems; gynecologic neoplasia; pregnancy-related issues; diseases of the female breast, vulva, vagina, ovaries, uterus, etc.; sexually transmitted infections; endocrine-related concerns; etc.
4. Pharmacology - Explain the rationale for recommending drugs, vaccines, and nutritional factors for the prevention, management, and treatment of common female reproductive disorders, considering the mechanism of action, indications, contraindications, and side effects of each intervention.
5. Data Gathering (EPA 1) - Practice gathering accurate, essential data from all sources, including the patient, secondary sources, medical records, and physical examination (including osteopathic structural examination) for selected clinical presentations related to the female reproductive system.
6. Diagnostic Testing (EPA 3) - Recommend and interpret common diagnostic and screening tests related to the assessment of female reproductive disorders or pregnancy and labor (pap smear, mammogram, STI screening, bone density tests, genetic screening, amniocentesis, glucose testing, ultrasound, fetal monitoring, etc.) using evidence-based and cost-effective principles.
7. Differential Diagnosis (EPA 2) - Practice formulating a differential diagnosis for selected clinical presentations related to the female reproductive system, prioritizing diagnoses appropriately based on the patient evaluation and epidemiologic data.
8. Treatment/Management (EPA 4) - Practice developing an evidence-based, cost-effective, patient-centered care plan to assess and manage selected clinical presentations related to the female reproductive system such as preventative health needs, concerns related to the menstrual cycle or menopause, preconception and prenatal care, normal pregnancy (labor, delivery, and puerperium), and female sexuality including contraceptive options.

The core material presented in lecture format will complement the textbook (Obstetrics and Gynecology, Beckmann et al., 8th ed., Lippincott, 2019), which serves as the course packet. This text is written specifically for pre-clerkship and clerkship usage and is based on the Educational Objectives published by the Association of Professors of Gynecology and Obstetrics (APGO). These educational objectives are the gold standard for what material should be presented to the medical student, and board exams are based on these objectives as well. Learning objectives are listed at the beginning of each chapter, will be noted at the beginning of each lecture, but may be supplemented by the individual presenter.

College Program Objectives

In addition to the course-specific goals and learning objectives, this pre-clerkship course also facilitates student progress in attaining the College Program Level Educational Objectives, which are published in the MSUCOM Student Handbook.

Course Director

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

Name: David J. Boes, D.O., FACOOG (Dist.)

Phone: 517-353-4734

Email: boes@msu.edu (preferred method)

Course Faculty

| Name | Email | Site |
|------------------------|--|------|
| Nikolai Butki, DO | butkinik@msu.edu | DMC |
| Craig Glines, DO | craig.glines@beaumont.org | DMC |
| Peter Gulick, DO | gulick@msu.edu | EL |
| Mary Jordan, DO | jordanm7@msu.edu | DMC |
| Paul Kowalski, MD | pauljk@msu.edu | EL |
| J'Aimee Lippert, DO | boseljai@msu.edu | EL |
| Anissa Mattison, DO | webste25@msu.edu | DMC |
| Theresa May-Hartle, DO | bandthartle@gmail.com | EL |
| Todd Moyerbrailean, DO | moyerbr1@msu.edu | EL |
| Carrie Nazaroff, PhD | tatarcar@msu.edu | MUC |
| Sara Schallmo, DO | sara.schallmo@beaumont.org | MUC |
| Janice Schwartz, PhD | schwa317@msu.edu | DMC |
| Robert Seiler, DO | summonerfan@gmail.com | EL |
| Nicole Szell, DO | szellnic@gmail.com | MUC |

Curriculum Assistants

| Site | Name | Email |
|--------------|-----------------|--|
| East Lansing | Betsy Raleigh | raleig10@msu.edu |
| DMC | Papiya Saha | sahapapi@msu.edu |
| MUC | Beata Rodriquez | rodri583@msu.edu |

Lines of Communication

- Whenever possible, please contact your OST 574 Course Liaisons for course-related concerns. They will collect, organize, and deliver these concerns to the course administration.
- For all other questions, please contact Betsy Raleigh and she will forward to the correct person.
- If specific question to a faculty member, email to faculty member and cc Dr. Boes
- Individual phone or Zoom contact with the course coordinators may be set up on an as-needed basis and also arranged through Betsy Raleigh.
- Announcements – Course-related communication to the class will be made through D2L (Course Website). Students should check for announcements on a daily basis.
- For absences/missed exams (see excused absence information on page 7 of the syllabus.)

Course Liaisons

The following students have volunteered to serve as OST 574 Course Liaisons:

East Lansing: Ashley Brinkel, Shreya Mullapudi

DMC: Sasha Knight-Hudson, Akila Nallabelli

MUC: Lauren Kapushion, Sofia Tiberio

Office Hours

Questions concerning the course may also be discussed during the weekly Office Hours. See times and dates in the Course Schedule.

Questions concerning may be discussed individually by making an appointment with the Course Director, Dr. David Boes. Please contact Betsy Raleigh (raleig10@msu.edu) to schedule a Zoom appointment.

Course Web Site

The URL for the Course website is: <https://d2l.msu.edu>

Textbooks and Reference Materials

Required

- Obstetrics and Gynecology, 8th ed., 2019. C.R. Beckmann, Lippincott, Williams & Wilkins ISBN: 978-1496353092
- <https://clerkship-lwwhealthlibrary-com.proxy1.cl.msu.edu/book.aspx?bookid=2438&rotationId=0>
- Robbins Pathologic Basis of Disease, 10th ed., 2020. Elsevier Science/WB Saunders Co. ISBN: 9780323531139 (9th edition is acceptable ISBN 978-1455726134)
<https://www-clinicalkey-com.proxy1.cl.msu.edu/#!/browse/book/3-s2.0-C20160040871>

Recommended for reference purposes

- Langman's Medical Embryology, 14th ed., 2019. Lippincott, Williams, & Wilkins

Supplemental Resources

- Blueprints: Obstetrics & Gynecology, 7e, Tamara L. Callahan, Aaron B. Caughey_ <https://ezproxy.msu.edu/login?url=https://clerkship.lwwhealthlibrary.com/book.aspx?bookid=2693&rotationId=0>
- Hacker & Moore, Essentials of Obstetrics and Gynecology, 6th edition_ <http://ezproxy.msu.edu/login?url=https://www.clinicalkey.com/dura/browse/bookChapter/3-s2.0-C20120069153>

Course-based Academic Support

The course faculty are here to facilitate your learning. The large number of students in this course (about 300) necessitates a degree of formality. Also, since your schedules are very full, we must adhere rigidly to the lecture, small group and lab times assigned to this course. However, within these constraints, the needs of individual students will be accommodated whenever possible. Please feel free to contact the Course Director with any personal issues you may have involving this course.

Additional academic support resources can be accessed here: [MSUCOM Office of Academic Success and Career Planning](#).

Courses Begin and End Dates

OST 574 begins on 5/15/2023 and ends on 6/26/2023. See addendum for detailed daily course schedule.

Exams/Assessments

The successful achievement of learning objectives will require knowledge and skills acquired in other portions of the overall MSUCOM educational program. Students will be expected to apply concepts and vocabulary learned in other courses to problem-solving for exams/assessments in this course.

To maintain security of assessments, you may NOT post questions on the discussion board regarding exam questions or quiz questions. Kindly email your questions to the Course Director.

| Assessments | Projected Points | Material to be Covered |
|--|---------------------------------|--|
| Exam 1 6/5/2023 | 63 | Lectures 1-21 and Group Discussion/Clinical Scenarios (GYN) |
| Exam 2 6/26/2023 | 66 | Lectures 22-43, Group Discussion/Clinical Scenarios (HIV/STD/PID and Vulvovaginitis) |
| Group Discussion (GYN) 5/31/2023 | 2 bonus point percentage | Lecture 1-21 |

| | | |
|--|---------------------------------|----------------|
| Group Discussion (HIV/STD/PID and Vulvovaginitis) 6/09/2023) | 1 bonus point percentage | Lectures 22-24 |
| Group Discussion (OB) 6/22/2023 | 2 bonus point percentage | Lectures 25-43 |

Course Grades

The course faculty determine the threshold for satisfactory performance in each pre-clerkship course.

Your course grade will be determined by the following formula:

$$((\text{exam 1} + \text{exam 2})/129 \times 100\%) + \text{up to 5 bonus percentage points added to final grade:} \\ = \text{Final Percent Score}$$

[example: Exam 1 = 55 correct. Exam 2 = 54 correct. Attendance of 4 out of 5 group sessions = 4 bonus percentage points to final grade. $(55 + 54)/129 \times 100 = 76.74\% + 4 = 80.74\%$]

- **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 a final percent score of 70%.
- **N-No Grade**—means that you have not achieved a satisfactory level of performance and no credit will be granted for this course. If you earn a final percent score less than 70%, you will receive an “N” grade.
- **Remediation** – If you receive an “N” grade and meet the criteria below, you will be eligible to attempt remediation if you earn a final percent score in the course of 62% or greater

The remediation opportunity for this course will be by examination. Passing is 70%.

All remediation exams for semester 4 are scheduled for August 16 or August 17, 2023. Refer to the remediation policy information provided in Section 2 of this syllabus for more information.

Group Discussion/Clinical Scenarios

Attendance at each of these 5 (50-minute) sessions is optional. However, you can earn up to one (1) true bonus percentage point for your attendance and participation in each session, which will be added to your total course score. Each session will cover material already presented, and this information is listed in further detail in D2L. **Note that there will be two 50-minute sessions in obstetrics, two 50-minute sessions and one 50-minute Vaginitis/HIV/STD session. A student can earn up to 5 full bonus. percentage points (1 bonus point for each 50-minute session) to be added to their final grade.**

These group sessions are divided into pre-assigned groups and are facilitated by a faculty member and OB-GYN resident.

To facilitate your self-directed learning, students will be divided into groups of 7 or 8 individuals for the OB group sessions and the GYN group sessions. Each group will be pre-assigned one case to review and prepare. There is a one-hour allotment of time in the schedule, titled “Group Learning - Case Study”. The learning activity will require you to consider differential diagnosis, appropriate history questions to facilitate diagnosis, appropriate testing, and basic management plan. The group will be expected to be prepared to discuss and present in a 20-minute window during the group session. There will be 5 cases during the OB & GYN sessions.

For the Vaginitis/HIV/STI session, you will not be assigned to groups, since this is only a one-hour session. You will receive the cases ahead of time, so you can be more prepared during the session.

Attendance will be documented via Zoom polling during each hour of the discussion, students must stay for the full session to gain both points. A report of the poll will be downloaded after the meeting to verify attendance.

Because this is not a required session, there is NO EXCUSED ABSENCE. Failure to poll for each hour constitutes an absence.

- If the student does NOT document his/her attendance in the proper manner and **on time** the student is considered **absent** for the event, regardless if the instructor or classmates can verify your attendance.
- Falsification of an attendance record (e.g., signing in for someone other than oneself or signing in and then leaving the session early) will be considered an instance of professional misconduct equivalent to academic dishonesty (e.g., cheating). This is considered a serious situation and may result in dismissal from the college. See MSUCOM policy regarding academic dishonesty and professionalism.
- The student will be expected to participate in the activity if they are present.

This is an **interactive participation**-based session. Each student will be assigned to a specific session. Each session will have approximately 25-50 students.

Ovarian Cancer Survivors Presentation

The Survivors Teaching Students Program is an innovative educational program which brings the faces and voices of ovarian cancer survivors into the classroom to inform medical students about their experiences with the disease. Each woman who presents to the students has a unique story. These women – many diagnosed at an advance stage – help medical students become more aware of the disease's symptoms and risk factors that in turn should result in an earlier diagnosis. Please make every effort to attendance this presentation on 5/23/2023.

Student Evaluation of the Course

We want your feedback on how to improve this course.

- Informal Feedback: Feel free to approach the Course Director, Dr. Boes, or any of the other course faculty with your reactions and suggestions.
- Formal Evaluation: In addition to the above, we ask every student in the class to complete formal on-line course evaluation upon conclusion of the course. Student feedback provides Course Directors with valuable information regarding their performance, the performance of their colleagues, and the quality of the course. The information gained from these evaluations is used to continuously improve future offerings of this course. Students can access the evaluation system at: <https://msucom.medtricslab.com/users/login/>.

Section 2 – Policies

Please refer to the Student Handbook at <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/sites/default/files/content/Academic-Integrity-at-MSU-updated-August-2017.pdf>

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:

- Online: Asynchronous video, available in the Course Media Gallery
- Webinar: Live event, with a lecturer or panelists
- Meeting: Live, faculty-led event, with the option for interaction between faculty and students

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 Director. 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.

Reef Polling (iClicker Cloud) Policy

It is your responsibility to know and comply with the Reef Polling (iClicker Cloud) 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 Reef Polling 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 Reef 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 their iClicker Reef account to another student by sharing your device and/or account login, nor should a you accept another student's device or login credentials to access Reef 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. If you receive an "N" grade in a course, that grade will be recorded on your official transcript; you must meet the course requirement by successfully remediating or repeating the course.

Eligibility to attempt remediation of the course is determined by criteria described in the "Course Grades" section of the syllabus. If you are not eligible to attempt remediation, or if you fail the remediation, you must retake the course, provided you are eligible to continue in the program as determined by the Committee on Student Evaluation.

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.

Requests for Special Accommodations

Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities (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 pre-clerkship 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 Director 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, students 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

Course schedule will be posted as a separate document on the same web page as this syllabus.