SYLLABUS
CORE 7005 OMS III OB/GYN
11 CREDIT HOURS

Megan Sampson DO ATSU-SOMA Class of 2016

Course Director
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**Course Description:**
The third year OB/GYN clerkship is designed to teach the student a basic understanding of obstetrics and gynecology by using clinical experiences as well as didactics/reading. Students will work both in the ambulatory and clinical settings which will provide continuity of care. Students will be exposed to the primary care screening protocols as well as diagnosis and management of various abnormalities involving women’s care.

The expectation is for the student to complete the following procedures **AT A MINIMUM** within the four week rotation:

- Assist with 5 uncomplicated vaginal deliveries plus document Delivery note
- Assist with 3 cesarean sections plus document Op note
- Perform 5 pelvic exams/pap smears/ STD screens
- Participate/Obsverve 3 hysterectomies plus document pre op evaluation, operative note, post op notes
- Observe/Treat 3 Abnormal Pap smears
- Demonstrate proper sterile technique prior to assisting with 5 vaginal deliveries
- Perform 3 breast examinations and teach 3 self-breast examinations
- Write 5 postpartum Day 1 notes and 5 post-operative day 1 notes or post procedure note.
- Perform 3 wet preps
- Observe/Assist in 3 Family planning visits
- Coordinate postpartum care with Lactation Consultant and/or 2 breast-feeding patients.

**Clinical Supplemental Reading Assignments:**
Designed to supplement contextual learning (patient encounters), you will also find readings, case presentations and other activities that support the management skills for the clinical presentations listed. The course director will provide didactic material and specific learning objectives. The learning objectives are designed to guide the student's independent study of the assigned material. The preceptor may or may not wish to assign other readings and activities, but students will receive 4-8 hours of material to review each week through Blackboard 9.1 website. The Blackboard learning materials are in addition to the materials required by the preceptor.

**Textbooks:**

**Required**

*Obstetrics and Gynecology 7th edition*
Authors: Charles RB Beckmann MD MHPE, William Herbert MD, Douglas Laube MD M ED
Publisher: LWW
List Price: $62.38
Note: Available on-line and free through the A.T. Still Memorial Library (Arizona Catalog)
Curricular Domain Objectives:

The objectives are intended to be a guide for the student's learning activities and serve as a baseline for assessment of the student's enhanced knowledge, skills, and professional behavior. Not all of the objectives listed below will be encountered during any single rotation. While each student is expected to further expand his/her knowledge base and to care for all assigned patient cases, he/she is also expected to avail him/herself of the SOMA educational materials provided. Each Objectives category below, maps to the corresponding evaluation categories and competencies on the course Clinical Rotation Evaluation (CRE) and coursework assignments.

Students will refer to individual schemes and review the associated learning objectives and learning activities associated with each. These are found under separate tab on Blackboard9.1.

I. **Osteopathic Principles and Practices (OPP)**

Graduates must demonstrate knowledge of osteopathic principles and practice (OPP), and they must exhibit and apply knowledge of somatic dysfunction diagnosis and osteopathic manipulative treatment (OMT) in clinical settings.

1. Demonstrate and communicate knowledge of a.) OPP; b.) the basic science, mechanisms of action, and physical findings of somatic dysfunction; and c.) the mechanism of action, indications and contraindications, and basic application of OMT.

2. Perform and document a complete and appropriately focused structural examination in a respectful, logical and organized manner.

3. Apply osteopathic principles and OMT into an appropriate patient care plan.

4. Demonstrate sufficient depth of knowledge and skills to integrate osteopathic principles and practice into all aspects of whole person healthcare.

II. **Clinical Skills & Osteopathic Patient Care (CS)**

Graduates must demonstrate effective use of motor and cognitive skills in diagnosis, management and prevention of common health problems encountered in patient care within a variety of clinical settings and across the lifespan.

1. Elicit a comprehensive and appropriately focused history and generate a list of a patient’s concerns in a respectful, rationale and organize manner.

2. Perform a complete & appropriately focused physical examination in a respectful, rationale and organized manner; and correlate abnormal findings to clinical presentations and disease processes.

3. Perform basic clinical procedures essential for general osteopathic medical practice.

4. Utilize clinical reasoning strategies to accurately diagnose medical conditions originating from common clinical presentations.

5. Determine and implement evidence-based clinical intervention plans and management strategies, while monitoring their effectiveness and adjusting appropriately.

6. Incorporate health education counseling, preventive medicine approaches, and health promotion strategies during patient encounters.

III. **Medical Knowledge (MK)**

Graduates must demonstrate knowledge and application of osteopathic, biomedical, clinical, epidemiological, biomechanical, social and behavioral sciences in the context of patient-centered care.

1. Recognize and explain normal structure and function across the lifespan.

2. Identify and explain the molecular, biochemical and cellular mechanisms that support normal structure and function.
3. Distinguish between the mechanisms of disease pathogenesis, describe their impact on the body, and relate them to patient signs and symptoms.

4. Explain and apply principles of contemporary therapeutics, including osteopathic, surgical, pharmacologic, molecular, biologic, behavioral and contemporary/alternative.

5. Interpret diagnostic studies and correlate abnormal findings to disease states.

6. Describe the epidemiology of common disease states within a defined population, and the systematic approaches useful in reducing the incidence and prevalence of those disease states.

IV. **Professionalism (P)**
Graduates must demonstrate through knowledge, behavior and attitudes, a commitment to the highest standards of competence, ethics, integrity, and accountability to patients, society and the osteopathic profession.

1. Demonstrate respect, altruism, compassion, interest, integrity, honesty, accountability and trustworthiness in all interactions with patients, their families, faculty, staff, peers and colleagues.

2. Apply ethical decision making in all aspects of professional practice.

3. Demonstrate awareness, sensitivity and responsiveness to culture, socio-economic status, religion, age, gender, sexual orientation, and mental/physical disabilities of patients, their families, faculty, staff, peers and colleagues.

4. Demonstrate professional work behaviors such as punctuality, appropriate appearance, accepting responsibility for errors, and maintaining professional boundaries.

5. Demonstrate a commitment to continuous professional development, learning, and internal & external assessment.

V. **Interpersonal and Communication Skills (ICS)**
Graduates must demonstrate the knowledge, behaviors and attitudes that facilitate accurate and efficient information gathering, empathetic rapport building, and effective information giving in interactions with patients, their families and colleagues of the inter-professional health care team.

1. Document and record patient information in an accurate, organized, and confidential manner appropriate to the clinical situation and present relevant aspects of a patient’s case in a logical, articulate fashion both orally and in writing.

2. Work effectively and collaboratively with patients, their families and colleagues of the inter-professional healthcare team in providing whole person healthcare.

3. Demonstrate effective and appropriate active listening, verbal, non-verbal, and written and electronic communication skills when dealing with patients, their families, faculty, staff, peers and colleagues of the inter-professional health care team.

VI. **Practice-Based Learning and Improvement (PBL)**
Graduates must demonstrate the ability to apply scientific theory and methodology and exhibit the critical thinking skills essential for integrating evidence-based principles and practice into patient care.

1. Apply fundamental biostatistical and epidemiologic concepts to practice-based learning and improvement.

2. Conduct a systematic review of literature on basic and clinical science research and critically synthesize the results for relevance and validity.

3. Describe the clinical significance of and apply strategies for integrating best medical evidence into clinical practice.
4. Identify, describe and apply systematic methods relating to continuous evaluation of osteopathic clinical practice patterns, practice-base improvements, and the reduction of medical errors.

5. Integrate technology into the practice of medicine and the delivery of healthcare services.

VII. **Systems-Based Practice (SBP)**
Graduates must demonstrate awareness of and responsiveness to the larger context and systems of health care, and effectively identify system resources to advocate for and maximize the health of the individual and the community or population at large.

1. Demonstrate knowledge of health delivery systems that affect the practice of an osteopathic physician and how delivery systems influence the utilization of resources and access to health care.

2. Demonstrate knowledge of how patient care and professional practices affect other health care professionals, health care organizations, and society.

3. Demonstrate the ability to work effectively in a variety of health care systems (with an emphasis on community health care) and provide quality patient care while advocating for the best interests of patients.

4. Demonstrate the ability to implement safe, effective, timely, patient-centered and equitable systems of care in a team-oriented environment.
Course Assignments:
- Weekly assignments (test result submission) are due by midnight on Sunday each week. Failure to submit the weekly assignment on time will result in lowering of your coursework grade.
- LATE SUBMISSIONS FOR ANY REASON WILL BE DOWNGRADED SO PLEASE BE AWARE OF TIMELY SUBMISSION.
- All coursework should be submitted by Week 4 regardless of the length of your rotation.
- Logs must be completed for each week that you are on rotation and should reflect your entire experience on your rotation.

Create APGO uWise account:
ATSU has an active subscription to the APGO uWISE self-assessment tool which allows you to have a personal subscription while you are in the ob/gyn clerkship rotation. The APGO Undergraduate Web-Based Interactive Self-Evaluation (uWISE) is a 600-question interactive self-exam designed to help medical students acquire the necessary basic knowledge in obstetrics and gynecology. Students find this resource to be an extremely valuable study tool since it allows you to gain feedback on each of the questions as you move through the various exams.

The link below will take you to a page where you will create your log in credentials. We ask that you use your school e-mail address as your user name so that we can manage your individual subscription easier. It is imperative that you do not share your log in credentials with anyone else. By sharing your log in you will also be breaking the copyright and use guidelines for this resource.

Once you set up a log in you will have access to this resource until you have completed the clerkship.

https://apgo.mycrowdwisdom.com/diweb/institution?guid=9dc514a8-d50c-43a8-a085-81575efc26ef

Week One – 8 hours MK 3, 4, 5
- Review Obstetrics Inpatient/Outpatient topics in core test and GU course podcasts from GU I and II as needed as listed in Blackboard
  - Outpatient
    - Normal prenatal care and identification of high risk pregnancy
    - Understand antenatal screening lab work during each trimester including genetic screening
    - Understand proper dating of a pregnancy
    - Management of medical complications of pregnancy including preexisting diabetes mellitus, pyelonephritis, chronic hypertension, urinary tract infections, TORCH infections, Group B Streptococcus colonization, HIV, Asthma, DVT, appendicitis, ovarian torsion, and pneumonia
    - Preeclampsia/hypertensive diseases in pregnancy
    - Differential diagnosis of vaginal bleeding in the first, second, and third trimesters
    - Differentiate amongst the types of abnormal placenta
    - Diagnosis and treatment of premature rupture of membranes
    - Diagnosis and treatment of preterm labor
    - Types of multiple gestations
    - Indications and types of antenatal testing including non-stress testing, measurement of amniotic fluid volume and biophysical profile
    - Informed Consent for vaginal birth after cesarean (VBAC)
    - Understand pregnancy categories of medications
    - Diagnosis and treatment of fetal growth restriction
    - Diagnosis and treatment of gestational diabetes
    - Understand complications arising from substance abuse during pregnancy
  - Inpatient
    - Define pre-labor contractions and preterm labor
    - Describe the diagnosis criteria for rupture of membranes
    - Understand the differential diagnosis of third trimester bleeding
- Basic cardiotocography interpretation
- Management of non-reassuring fetal heart patterns
- Describe the cardinal movements of labor and the maneuvers for delivering a newborn
- Describe the stages of labor and recognize dysfunctional labor
- Identify indications for vacuum/forceps assisted delivery
- Identify indications for cesarean section
- Describe the risk factors, diagnosis and treatment of chorioamnionitis
- Understand treatment of puerperal complications including wound infection, DVT, endomyometritis, delayed postpartum hemorrhage, perineal hematoma, postpartum depression
- Diagnosis and treatment of dysfunctional Labor
- Indications and methods used to induce labor
- Options for pain management during labor and delivery
- Indications for vacuum/forceps assisted delivery
- Understand anatomy of perineal lacerations and episiotomy
- Prediction and treatment of shoulder dystocia
- Understand types of post-partum permanent sterilization
- Definition and treatment of post-partum hemorrhage
- Diagnosis and treatment of meconium stained amniotic fluid
- Understand basic anatomy involved during cesarean section
- Know how to assign APGAR scoring
- Understand normal lactation, breastfeeding, and treatment of mastitis

- Schemes: See Blackboard
- Reading Assignments: See Blackboard
- Log 100% of patient encounters – Pass/Fail
- Complete APGO Self-Assessment Test 2, print final screen and upload to Blackboard

Week Two – 8 hours MK 3, 4, 5, 6
- Review Gynecology Outpatient topics in core text and GU course podcasts from GU I and II as needed as listed in Blackboard
  - Describe age-appropriate screening for mammograms, bone densitometry, pap smears, sexually transmitted infections, colon cancer screening
  - Understand basic knowledge of normal menstrual cycle
  - Describe pharmacologic, non-pharmacologic and osteopathic treatment of common menstrual disorders
  - Understand various forms of reversible contraception including natural family planning, barrier methods, hormonal contraceptive pills, implants, rings, injections
  - Understand methods of emergency contraception
  - Understand various forms of permanent sterilization including tubal occlusive implants, tubal ligation and vasectomy
  - Understand diagnosis and treatment of benign breast masses
  - Understand risk factors, diagnosis and basic staging of breast cancer
  - Understand diagnosis and treatment options of perimenopause and menopause
  - Understand management of abnormal pap smears
  - Understand management of postmenopausal vaginal bleeding
  - Understand management of ovarian cysts
  - Describe screening tools to assess risk of intimate partner violence, depression and alcoholism
  - Understand risk factors, diagnosis, treatment and sequellae of sexually transmitted infections
  - Understand diagnosis and treatment of abnormal vaginal discharge
  - Understand diagnosis and treatment of osteoporosis
  - Understand basic causes of infertility, tests available for evaluation and common treatments
  - Describe the diagnosis, pathology and treatment of polycystic ovarian syndrome
  - Describe the diagnosis and treatment of endometriosis
Week Three – 8 hours MK 1, 2, 3, 4, 5, 6
- Review Gynecology Inpatient Medical Knowledge Objective topics in core text and GU course podcasts from GU I and II as needed as listed in Blackboard
  - Understand anatomy of female pelvis including major organs, blood supply and innervation
  - Diagnosis and treatment of pelvic pain
  - Diagnosis and treatment of pelvic masses
  - Diagnosis and treatment of abnormal vaginal bleeding
  - Understand preoperative indications for hysteroscopy, laparoscopy, and hysterectomy
  - Understand different types of hysterectomy including laparoscopic, abdominal, vaginal
  - Understand diagnosis and treatment of vulvar lesions
  - Understand treatment of cervical dysplasia
  - Understand treatment of ovarian, endometrial and cervical cancer
  - Diagnosis and treatment of ectopic pregnancy
  - Describe the prevention, differential diagnosis and treatment of post-surgical: bleeding, infection, ileus, fever, thromboembolism, respiratory symptoms, and urologic complications
  - Understand indications and procedure for dilation/curettage and dilation/evacuation
- Schemes: See Blackboard
- Reading Assignments: See Blackboard
- Log 100% of patient encounters – Pass/Fail
- Complete APGO Self-Assessment Test 3, print final screen and upload to Blackboard

Week Four – 8 hours MK 1, 2, 3, 4, 5, 6
- Take APGO student UWISEv.2 self-assessment test Comprehensive 4 timed self-exam, print final screen and upload to Blackboard. ** Your final coursework grade will be based on completion and submission of weeks 1-3 coursework and your actual score on this Comprehensive 4 self-assessment test score as follows:
  - >95 Honors
  - 90-95 High Pass
  - 80-89 Pass
  - 70-79 Low Pass
  - <70 Fail
- Log 100% of patient encounters – Pass/Fail
- Reading Assignments: See Blackboard
- All coursework is due by the end of Week 4 even for 6 and 8 week rotations!

**Coursework is found on Blackboard 9.1 under OB/GYN course
Grading:

Grade Format
All of the courses in OMS III and OMS IV are “honors”, “high pass”, “pass”, “low pass”, and “fail” per the following point scale:

>4.75 = Honors
4.0-4.75 = High Pass
3.0-3.9 = Pass
2.1-2.9 = Low Pass
≤ 2.0 = Fail

In order to pass this course, you will need to complete the following:

Clinical Rotation Evaluation (CRE) = 40% of overall Grade
Students will need to receive a passing score on the Clinical Rotation Evaluation (CRE) for each four week course section (rotation) of the course.

CRE = 0 - 5 points
>4.75 = Honors
4.0-4.75 = High Pass
3.0-3.9 = Pass
2.1-2.9 = Low Pass
≤ 2.0 = Fail

Subject or Course Exam (COMAT) = 40% of overall grade
At or near the end of the rotation, you will be required to take and pass a subject or course exam (COMAT). The content of the exam is based on clinical presentations most frequently seen on rotation. Most, if not all of these presentations were addressed in the OMS I and OMS II courses. Many of the presentations are covered in the rotation syllabus. You must receive a passing score on the COMAT Exam linked to this course to pass the course; and the score is worth 40% of the overall grade.

There is a very strong probability that some clinical presentations covered in the COMAT may not be addressed directly in the syllabus. There is a possibility that some of the clinical presentations covered in the COMAT may not have been observed during the rotation.

COMAT = 0 – 5 points (to convert the standard score to a 5-point scale, use rubric)
>1.0 D above national mean = Honors: 110+
0.1-0.99 SD above national mean = High Pass: 101 – 109
National mean to 0.99 SD below national mean = Pass: 91 – 100
1.0 below to 1.5 SD below national mean = Low Pass: 90 – 85
more than 1.5 SD below national mean = Fail: 84 or lower

Course work / Weekly Assignments = 20% of overall grade
Course work / Weekly Assignments will make up 20% of the overall grade.
Coursework will be graded as follows:
>4.75 = Honors
4.0-4.75 = High Pass
3.0-3.9 = Pass
2.1-2.9 = Low Pass
Your final coursework grade requires uploaded submission of weeks 1-3 self-assessment results and your actual score on this Comprehensive 4 self-assessment test score as follows:

- >95 Honors
- 90-95 High Pass
- 80-89 Pass
- 70-79 Low Pass
- <70 Fail

**Weekly assignments are due by midnight on Sunday each week. Failure to submit the weekly assignment on time will result in the grade for that assignment being lowered one level. Any assignment submitted more than 1 week past the due date will result in a zero for that assignment.**

**Failures and Remediation**

Students are required to repeat failed clinical rotations with a preceptor other than the initial preceptor. If the student fails a subject exam, the student must retake the subject exam as specified in the SOMA Catalog and rotation manual. A failing grade on the CRE will result in a failure in the course.

**Course Requirements and Expectations:**

**Student Evaluation of Rotation**

Submission of the Student Evaluation of Rotation (SER) is REQUIRED for completion of the course. The grade for the clerkship course will not be submitted to the registrar until the evaluation is received.

**Clinical Documentation (Case Log) Requirements (PxDx)**

Logging of every clinical interaction via the E*Value electronic log system is a course requirement and a professional responsibility of every student on every rotation in OMS III and OMS IV. Log information will be used to evaluate the volume and variety of student experiences. 100% of encounters must be logged. Failure to log clinical interactions will result in lowering course grade one level, and may adversely affect the student's professionalism score for the rotation. Failure to log may also be commented upon in the Medical Student Performance Evaluation (MSPE) formerly known as the Dean's Letter.

Course Director will review all logs, and determine if logging is 100% AND adequate in volume and variety. In the event the course director does not feel that the student has sufficient logs, the Course Director will note a failure for logs and the students overall grade will be lowered one level (i.e. the CRE,COMAT and Weekly Assignments averaged to be a “High Pass”, inadequate logs reduce the overall grade to a “Pass”). Periodic audits of clinical activity compared to logs could result in serious concerns about adherence to professional responsibilities. Completion of logging 100% of patient interactions is **NOT** optional. Concerns about professionalism will be considered for referral to the Student Performance Committee.

**Professionalism and Academic Honesty:**

An essential aspect of the SOMA curriculum is the development of professional behaviors among students. SOMA considers breaches in professional conduct and/or academic honesty as serious academic deficiencies. The ATSU University Handbook (http://www.atsu.edu/student_affairs/handbook/pdfs/UniversityHandbook-2.19.14.pdf) has important information with respect to professionalism including a Code of Academic Conduct and Code of Behavioral Standards. The course director expects professional behavior and academic honesty at all times during this course.
Academic Adjustments:
The University can make accommodations for students with documented disabilities who are otherwise qualified. Students with disabilities are encouraged to contact the Disability Resources Advisor. Requests for accommodations must be made in writing to the Disability Resources Advisor. The contact information for the Disability Resources Advisor is as follows:

Disability Resources Advisor
5850 E. Still Circle
Mesa, AZ 85206
480-245-6248
krjones@atsu.edu

The Disability Resources Advisor will confer with the student and may request documentation and may refer the student for individual assessment by qualified experts. The ATSU Technical Standards and Accommodations Committee shall review any requests for accommodations. The Committee determines whether there are disabilities as protected by the Americans with Disabilities Act and/or Section 504 of the Rehabilitation Act and then decides if reasonable accommodations can be made without fundamentally altering the essential nature of the school's program or instruction being pursued.

The Committee makes recommendations for or against accommodations to the Director - Learning & Disability Resources who then will notify the student and the appropriate faculty and staff members who have an educational need to know. Within ten (10) days of receiving the Committee's determination from the Director - Learning & Disability Resources a student can appeal the decision in writing to the dean of the appropriate school.

Course Director Office Hours:
The course director may be contacted by email or phone at any time. It is expected that the course director will answer a student within 24 hours during normal working days, and by Monday if contact is made over the weekend. Email addresses and phone numbers are listed on the first page of this syllabus.
Appendix:
AOA Core Competencies

<table>
<thead>
<tr>
<th>Domain</th>
<th>Competency</th>
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<tbody>
<tr>
<td>1. Osteopathic Philosophy and Osteopathic</td>
<td>Physicians are expected to demonstrate and apply knowledge of accepted standards in Osteopathic Manipulative Treatment (OMT) appropriate to their specialty, remain dedicated to life-long learning, and to practice habits in osteopathic philosophy and manipulative medicine.</td>
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<tr>
<td>Manipulative Medicine</td>
<td></td>
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<tr>
<td>2. Medical Knowledge</td>
<td>Physicians are expected to demonstrate and apply knowledge of accepted standards of clinical medicine in their respective specialty area, remain current with new developments in medicine, and participate in life-long learning activities, including research.</td>
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<tr>
<td>3. Patient Care</td>
<td>Physicians must demonstrate the ability to effectively treat patients and provide medical care that incorporates the philosophy, patient empathy, awareness of behavioral issues, the incorporation of preventive medicine, and health promotion.</td>
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<tr>
<td>4. Interpersonal and Communication Skills</td>
<td>Physicians are expected to demonstrate interpersonal and communication skills that enable them to establish and maintain professional relationships with patients, families, and other members of the health care team.</td>
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<tr>
<td>5. Professionalism</td>
<td>Physicians are expected to uphold the Osteopathic Oath in the conduct of their professional activities that promote advocacy of patient welfare, adherence to ethical principles, collaboration with health professionals, life-long learning, and sensitivity to a diverse patient population. Physicians should be cognizant of their own physical and mental health in order to effectively care for patients.</td>
</tr>
<tr>
<td>6. Practice-Based Learning and Improvement</td>
<td>Physicians must demonstrate the ability to critically evaluate their methods of clinical practice, integrate evidence-based medicine into patient care, show an understanding of research methods, and improve patient care practices.</td>
</tr>
<tr>
<td>7. Systems-Based Practice</td>
<td>Physicians are expected to demonstrate an understanding of health care delivery systems, provide effective and qualitative patient care within the system, and practice cost-effective medicine.</td>
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Changes to the Syllabus:
The syllabus for this course may change at the discretion of the course directors. As a general policy, SOMA course directors alter syllabi only when absolutely necessary.

Students will be notified by the course directors or course facilitator in writing of any changes in course requirements or policies.