

YEARS 1 & 2 ELECTIVE COURSE

TITLE: Maternal and Newborn Health

COURSE NO.: SOMN 747

DEPARTMENT: Obstetrics and Gynecology

DURATION: Six two-hour sessions (intended for Fall Semester)

DIRECTORS: Catherine Van Hook, MD; catherine.vanhook@utoledo.edu & Melani Kekulawala, MPH; melani.kekulawala@utoledo.edu

SEMESTERS AVAILABLE: Fall Semester

NUMBER OF STUDENTS: 40

LOCATION: Health Science Campus

COORDINATOR: Melani Kekulawala, MPH, melani.kekulawala@utoledo.edu; 513-582-7781

FACULTY: Cathy Van Hook, MD; Jim Van Hook, MD; Stephanie Mann, MD; Guest Lecturers

GENERAL DESCRIPTION:

This course will provide a comprehensive introduction to pertinent topics in the field of maternal and newborn health. The course will provide a foundation in the following topics: 1) Labor and Birth 2) Social Determinants of Health 3) Maternal Morbidity & Mortality 4) Infant Mortality 5) Preterm Birth 6) Global Maternal and Newborn Health. Each class session will be dedicated to one of these topics and each session will be two hours.

This course will function mostly as a seminar. Prior to each session, students will be provided with 1-2 assigned readings on the designated topic. Students must thoroughly read the material and submit 2 thoughtful questions electronically prior to the in-class session. For course credit, questions must be submitted for at least five out of the six class sessions. During the first hour of each session, a speaker/guest lecturer will present introductory and foundational material on the topic. In the second hour of the session, a small panel of health care providers, public health professionals, and/or researchers will be present for a more interactive experience and discussion. This will include clinical and public health cases, class discussions, and Poll Everywhere activities. During the panel, course directors will also utilize the questions submitted from the students prior to the class session to guide conversation, when applicable. It is our goal with this course to ultimately increase student knowledge, interest, and excitement in maternal and newborn health irrespective of future specialty.

Over the course of the semester, there will be six core topics covered as mentioned above, with each topic dedicated to one session. Each class session will last two hours; therefore, students must complete a total of 12 hours of in-class lecture/panel discussion for course credit.

Attendance will be carefully documented for each session and will be reported back to the course directors. Additionally, students must submit 2 thoughtful questions based on the assigned readings for five out of the six sessions. Lastly, students must complete a pre-posttest for knowledge assessment and a reflection essay regarding their experience to obtain course credit.

EDUCATIONAL OBJECTIVES: At the end of this course, students will:

- Explain key maternal and newborn health issues through social, clinical, and public health perspectives
- Describe the role and interaction of key social determinants of health on maternal and infant outcomes
- Recall domestic and global causes of maternal and newborn morbidity and mortality and associated risks
- Describe the pharmacology, clinical, and public health interventions that health care systems use to improve maternal and newborn outcomes
- Critically analyze research and current guidelines for maternal and newborn health provision

METHODS OF TEACHING: Guest Lectures, Group Discussion, Class Poll Everywhere, Pre-Reading

METHODS OF EVALUATION AND STUDENT FEEDBACK: Pre and post assessment tests will be required as part of this course to assess knowledge of class content. The pretest will be taken at the first session before class material is presented and the post test will be taken after the final session. Additionally, after each session, students will be provided with an evaluation form to provide feedback to the instructors and course directors. Lastly, students must complete a two page (1,000 word) reflection essay regarding their experience in the course.

QUALITY ASSURANCE: After each session, students will be given an evaluation form to provide feedback to the instructors and course directors. Course directors will review the evaluations after each session and prior to the next session. Any predominating concerns of the students will be addressed in a timely fashion.

LINKAGE TO CORE COMPETENCIES:

- MK-9 Knowledge of ethical principles that govern decision making in medicine.
- MK-12 Knowledge of the non-biological determinants of health and the economic, psychological, social, and cultural factors that contribute to health and disease.
- MK-16 Knowledge of fundamental principles of patient-centered and team-based care, patient safety, as well as quality improvement in healthcare delivery.
- PB-1 Ethical, responsible, reliable, and dependable behavior in all aspects of their professional lives and a commitment to patients, society, and the profession.
- PB-6 Knowledge of, and respect for, other healthcare professionals, and of the need to collaborate with others in caring for patients as well as promoting population health.
- PBL-6 The ability to participate in the education of patients, their families and caregivers, other trainees, and other health professionals

SBP-2 Knowledge of the impact of healthcare disparities in the delivery of health care.

HOT TOPICS IN MEDICINE: Advocacy, Global Health, Interprofessional Education, Ethics, Social Determinants of Health

PREREQUISITES: None; this course is open to first and second year medical students in good standing