FOURTH YEAR ELECTIVE TITLE

MATERNAL FETAL MEDICINE

COURSE NUMBER

OBG 9105

LOCATION

Jersey Shore University Medical Center Perinatal Institute

ELECTIVE DIRECTOR

DEBRA GUSSMAN, M.D.

ELECTIVE FACULTY

JOSEPH CANTERINO, M.D.

STAFF OF THE PERINATAL INSTITUTE

ELECTIVE CONTACT

Cyndi Gundlach

Department of OB/GYN

1945 Route 33

Neptune, NJ 07754

CONTACT INFO

PH. 732-776-3790

FAX 732-776-4525

EMAIL: CGUNDLACH@MERIDIAN.COM

BLOCKS AVAILABLE

ALL

DURATION/WEEKS

Min: 4 Max: 4

HOURS PER WEEK

60

STUDENTS

MAX: 1

LECTURES/SEMINARS

YES

OUTPATIENT

YES (90%)

INPATIENT

YES (10%)

HOUSESTAFF

YES

NIGHT CALL

NO

WEEKENDS

YES

LAB

NO

EXAM REQUIRED

NO

OVERALL EDUCATIONAL GOAL OF ELECTIVE

This elective is designed for students who want to learn more about the effect of common medical diseases on the course of pregnancy and the effect of pregnancy on the course of common medical diseases. (i.e. hypertension, diabetes, collagen vascular disease, cardiac disease, asthma, etc. The student will be able to understand complex diseases unique to pregnancy.

OBJECTIVES

I. Patient care –

a. The student will be able to conduct a medical interview with a patient and obtain information regarding the targeted and specific issues related to Maternal Fetal medicine
b. The student will be able to perform a directed physical examination.
c. Student will become familiar with the techniques of fetal surveillance including electronic fetal monitoring, ultrasounds, antepartum fetal testing and karyotyping.
d. The student will identify multiple causes of preterm birth, be able to evaluate patients with threatened preterm labor, and discuss the treatment options, and counseling that is relevant for patients with this condition.
e. The student will demonstrate the ability to manage diabetes in pregnancy
f. The student will serve as a consultant to hospitalized pregnancy patients and appreciate the breadth and depth of the specialty of perinatal medicine.
g. The student will demonstrate skills in triage of multiple critical patients simultaneously, multi-tasking, working with multi-disciplinary teams in antepartum care.
h. Learn about the complexity of prenatal care of patients with multiple medical co-morbidities.

II. Medical knowledge –

a. Develop an understanding of the principles high risk obstetrics.
b. Increase the understanding of the psychological and medical problems associated with multiple gestation.
c. The student will understand the scientific physiology and pathophysiology of relevant issues and problems in Maternal Fetal Medicine
d. The student will be able to discuss the evaluation and treatment of medical disease and its impact on pregnancy.
III. Practice-based learning and improvement —
   a. The student will use scientific evidence and methods to investigate, evaluate, and improve patient care practices.
   b. The student will learn where to obtain reliable information about developing paradigms in MFM.
   c. The student will review current literature and participate in discussions about changing parameters in the field.

IV. Interpersonal and communication skills —
   a. The student will develop the social skills to communicate effectively with patients.
   b. The student will learn sensitivity when discussing the fears around pregnancy loss and fetal malformation.
   c. The student will learn how to give “bad news”.
   d. The student will learn how to document patient encounters in a concise, accurate manner.
   e. The student will learn how to communicate with patients from other cultures effectively.

V. Professionalism —
   a. The student will act in a professional manner.
   b. The student will show compassion, courtesy, and respect for patients and staff.
   c. The student will adhere to ethical principles.

VI. Systems-based Practice —
   a. The student will demonstrate an awareness of the larger context of the health care system.
   b. The student will learn when to request referrals from general surgery, physical therapy, rehab, social workers, home nurses, and other members of the health care team who participate in complex obstetrical care.
   c. The student will increase the understanding of the economic and ethical problems associated with multiple gestation and other complex pregnancies.

**BRIEF DESCRIPTION OF ACTIVITIES**
Students will be mentored by Dr. Joseph Canterino and the staff of the Perinatal Institute. They will attend office hours to learn about preconception counseling, genetic counseling, ultrasound, medical complications of pregnancy, and procedures for the evaluation of first and second trimester pregnancies. They will spend time in the inpatient/outpatient settings, antenatal testing center, and high-risk clinic. They will complete the computer-based fetal heart rate educational program. They will review tracings daily with the attending in Labor and Delivery. They will round daily with the chief resident in the neonatal intensive care unit. They will complete assigned readings.

**METHOD OF STUDENT EVALUATION**
Evaluation of clinical performance based on assessment of professionalism, medical knowledge, patient care, system-based practice, interpersonal and communication skills, practice-based learning and improvement.

**Are there any prerequisites for this elective?**  No  Yes please specify: CORE CLERKSHIP

**Is this elective available to third year medical students as well?**  No  Yes