

**MED 3010: INTRODUCTION TO OBSTETRICS AND GYNECOLOGY**

<b>Course Date</b>	April 26-May 27, 2021	
<b>Exam Date</b>	Theoretical Exam: May 27, 2021	
<b>Course Coordinator:</b>	FATİH ÖZDENER	
<b>Academic Unit</b>	<b>Academic Staff</b>	<b>Theoretical hours</b>
	Aynur Erşahin, Assoc. Prof.	5
	Cihan Çetin, Assoc. Prof.	9
	Tolga Taşcı, Assoc. Prof.	3
	Ahter Tayyar, Assist. Prof.	5
	Cansu Kanlıoğlu, Assist. Prof.	5
	Halenur Bozdağ, Assist. Prof.	5
	Nur DokuzeYLül Güngör, Assist. Prof.	4
	Banu Çiftçi, M.D.	3
<b>TOTAL</b>		<b>39</b>

**COURSE AIM:**

The aim of this course is to make an introduction to gynecologic and obstetric subjects, and provide the necessary knowledge required to approach common ambulatory and surgical conditions.

**LEARNING OUTCOMES:**

At the end of this lesson, the student will be able to:		
DEP	TOPIC	LEARNING OUTCOMES
OBSTETRIC AND GYNECOLOGY	Introduction to committee, anatomy of the female genital tract (T-1)	<ol style="list-style-type: none"> <li>1. Identify and describe the basic anatomical features of the external female genitalia and the internal reproductive organs</li> <li>2. Describe the functions of the main anatomical structures in the female reproductive system and their importance for obstetric care</li> </ol>
	Gynecologic history taking- Obstetric history taking (T-1)	<ol style="list-style-type: none"> <li>1. Define the components of a gynecological history</li> <li>2. Define the logical sequence of history taking in pregnancy</li> </ol>
	Gynecologic examination (PAP smear, Bimanual examination) (T-1)	<ol style="list-style-type: none"> <li>1. Respect patient privacy</li> <li>2. Define general examination</li> <li>3. Define abdominal examination</li> <li>4. Identify the indications for a pelvic examination</li> <li>5. Describe the technique involved in performing a pelvic examination</li> <li>6. Define inspection of external genitalia</li> <li>7. Describe speculum examination, PAP smear, and bimanual examination</li> </ol>
	Obstetric examination (Leopold maneuvers, Ultrasonography) (T-1)	<ol style="list-style-type: none"> <li>1. Define general examination</li> <li>2. Define abdominal examination</li> <li>3. Describe the normal fetal presentation and position</li> <li>4. Explain the Leopold maneuvers</li> <li>5. Explain the clinical significance of abdominal palpation in the obstetric examination</li> <li>6. Explain the principles of pregnancy ultrasound</li> </ol>
	Menstrual cycle and its neuro-endocrine control (T-2)	<ol style="list-style-type: none"> <li>1. Explain the process of menstrual cycle</li> <li>2. Explain the effects of hormones on the menstrual cycle</li> </ol>
	Reproductive stages of a woman's life (T-1)	<ol style="list-style-type: none"> <li>1. Explain the reproductive stages of a woman's life</li> </ol>
	Abnormal Uterine & Vaginal Bleeding (T-1)	<ol style="list-style-type: none"> <li>1. Define abnormal uterine and vaginal bleeding</li> <li>2. Describe the pathophysiology, causes, clinical presentation, and diagnosis</li> </ol>
	Amenorrhea (T-1)	<ol style="list-style-type: none"> <li>1. Define amenorrhea</li> <li>2. Make the classification of amenorrhea</li> <li>3. Explain the causes, symptoms, and diagnosis</li> </ol>
	Dysmenorrhea (T-1)	<ol style="list-style-type: none"> <li>1. Define dysmenorrhea</li> <li>2. Describe the types of dysmenorrhea</li> <li>3. Explain the causes, symptoms, diagnosis, and treatment</li> </ol>
	Pelvic Pain (T-1)	<ol style="list-style-type: none"> <li>1. Evaluate pelvic pain</li> <li>2. Make differential diagnosis</li> <li>3. Identify treatment options</li> </ol>

Benign diseases of vulva-vagina (T-1)	<ol style="list-style-type: none"> <li>1. Describe benign diseases of vulva and vagina</li> <li>2. Explain the causes, symptoms, and diagnosis</li> </ol>
Benign diseases of uterus-cervix (T-1)	<ol style="list-style-type: none"> <li>1. Describe benign diseases of uterus and cervix</li> <li>2. Explain the causes, symptoms, and diagnosis</li> </ol>
Benign diseases of ovaries & Uterine Tubes (T-1)	<ol style="list-style-type: none"> <li>1. Describe benign diseases of ovaries and uterine</li> <li>2. Explain the causes, symptoms, and diagnosis</li> </ol>
Premalignant & Malignant diseases of vulva-vagina (T-1)	<ol style="list-style-type: none"> <li>1. Describe premalignant and malignant diseases of vulva-vagina</li> <li>2. Explain the causes, symptoms, and diagnosis</li> </ol>
Premalignant & Malignant diseases of cervix & uterus (Abnormal Smear Findings) (T-1)	<ol style="list-style-type: none"> <li>1. Describe premalignant and malignant diseases of cervix and uterus</li> <li>2. Explain the causes, symptoms, and diagnosis</li> </ol>
Premalignant & Malignant diseases of ovaries (T-1)	<ol style="list-style-type: none"> <li>1. Describe premalignant and malignant diseases of ovaries</li> <li>2. Explain the causes, symptoms, and diagnosis</li> </ol>
Diagnosis of pregnancy (T-1)	<ol style="list-style-type: none"> <li>1. Explain the signs and symptoms of pregnancy</li> <li>2. Describe diagnostic tests</li> </ol>
Prenatal invasive procedures (Amniocentesis, Cordocentesis, CVS) (T-1)	<ol style="list-style-type: none"> <li>1. Describe prenatal invasive procedures</li> <li>2. Explain the common indications and contraindications</li> <li>3. Describe the technique used</li> <li>4. Explain the possible complications</li> </ol>
Non-invasive prenatal tests (T-1)	<ol style="list-style-type: none"> <li>1. Describe non-invasive prenatal tests</li> <li>2. Explain the benefits and limitations</li> </ol>
Placental Abnormalities (Placenta accreta, increta and percreta) (T-1)	<ol style="list-style-type: none"> <li>1. Discuss abnormalities of placenta</li> <li>2. Outline the clinical significance of an abnormal placenta</li> </ol>
Amniotic Fluid & Abnormalities (oligohydramnios, polyhydramnios) (T-1)	<ol style="list-style-type: none"> <li>1. Explain the character and functions of amniotic fluid</li> <li>2. Explain the definition, etiology, and diagnosis of amniotic fluid disorders</li> </ol>
High Risk Pregnancy (T-1)	<ol style="list-style-type: none"> <li>1. Define high risk pregnancy</li> <li>2. List examples of high risk pregnancy</li> <li>3. Identify factors contributing to high risk pregnancies</li> <li>4. Identify problems associated with high risk pregnancy</li> <li>5. Describe strategies to decrease incidence of high risk pregnancies</li> </ol>
Hypertensive Diseases of Pregnancy (T-1)	<ol style="list-style-type: none"> <li>1. Describe hypertension in pregnancy</li> <li>2. Explain the causes of hypertension in pregnancy</li> <li>3. Define pregnancy induced hypertensive disorders</li> <li>4. Explain maternal and fetal risks of uncontrolled chronic hypertension in pregnancy</li> <li>5. Explain the management strategies</li> </ol>
Gestational Diabetes & Overt Diabetes in Pregnancy (T-1)	<ol style="list-style-type: none"> <li>1. Describe the metabolic changes in pregnancy which produce a diabetogenic stress</li> <li>2. Describe the short-term and long term morbidities for the woman with gestational diabetes mellitus and her infant</li> <li>3. Explain the methods presently in use for screening and</li> </ol>

	diagnosis
Presentation Abnormalities & Mechanisms (T-1)	<ol style="list-style-type: none"> <li>1. Define the most common abnormal presentations</li> <li>2. Explain their diagnostic criteria and the required actions to take to prevent complications during labor</li> </ol>
C/S Indications (T-1)	<ol style="list-style-type: none"> <li>1. Describe the classification of Caesarean sections</li> <li>2. Explain the indications</li> </ol>
Postpartum Maternal care (T-1)	<ol style="list-style-type: none"> <li>1. Describe normal maternal physiologic changes of the postpartum period</li> <li>2. Describe normal postpartum care</li> </ol>
Normal Labor Stages (T-1)	<ol style="list-style-type: none"> <li>1. Describe the characteristics of normal labor</li> <li>2. Define the stages of normal labor</li> <li>3. Identify and describe each stage of labor</li> </ol>
Labor Abnormalities, Operative delivery and Episiotomy (T-1)	<ol style="list-style-type: none"> <li>1. List abnormal labor patterns</li> <li>2. Describe the causes and methods of evaluating abnormal labor patterns</li> <li>3. Explain fetal and maternal complications of abnormal labor</li> <li>4. Describe operative delivery and episiotomy</li> </ol>
Abortions (T-1)	<ol style="list-style-type: none"> <li>1. Define abortion</li> <li>2. List the types of abortions</li> <li>3. Explain etiology</li> <li>4. Explain surgical and non-surgical pregnancy termination methods</li> <li>5. Describe potential complications of abortion</li> </ol>
Ectopic Pregnancy (T-1)	<ol style="list-style-type: none"> <li>1. Define ectopic pregnancy</li> <li>2. Describe risk factors, signs, causes, and diagnosis</li> </ol>
Trophoblastic Diseases (T-1)	<ol style="list-style-type: none"> <li>1. Describe the definition, etiology, risk factors, and pathophysiology of trophoblastic diseases</li> </ol>
Reproductive tract infections (RTI) (T-1)	<ol style="list-style-type: none"> <li>1. Identify the major viral and bacterial RTIs</li> <li>2. Describe the interaction between RTIs and family planning, child survival, safe motherhood, and HIV prevention.</li> <li>3. Understand the general model for the spread of infection and its implications in the control and prevention of RTIs.</li> </ol>
Sexual Transmitted Diseases (T-1)	<ol style="list-style-type: none"> <li>1. Describe methods of transmission, symptoms, physical findings, evaluation, and management</li> </ol>
PID (T-1)	<ol style="list-style-type: none"> <li>1. Describe the epidemiology, risk factors, pathogenesis, clinical manifestations, treatment regimens, and prevention ways of pelvic inflammatory disease</li> </ol>