COURSE INFORMATON

Course Title	Code	Semester	L+P+L Hour	Credits	ECTS
Obstetrics & Gynecology (Clinical Clerkship)	MED 403	Phase 4/7-8	53+105	9	9*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should completed Phase 1, 2 and 3 courses of medical faculty.

Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory Professional/Clinical Clerkship (Professional and Clinical Skills: clinical skills performance at introductory clerkship level)
Course Coordinator	Erkut Attar MD, PhD, Prof.
Instructors	<u>Yeditepe University Hospital</u> Orhan Ünal, M.D. Prof. Rukset Attar, M.D. PhD. Prof. Mustafa Başbuğ, M.D. Prof. Tanju Demirören, M.D., Assist. Prof. Petek Uzuner M.D., Assist Prof. Mert Yeşiladalı, M.D., Assist. Prof. Melis Gökçe Koçer Yazıcı, M.D., Assist. Prof. Oya Alagöz M.D., Assist. Prof. Yosun Görkem Zeybek Özçer M.D. <u>Istanbul Training And Research Hospital</u> Işık Kaban MD, Assoc Prof. <u>Sancaktepe Şehit Prof Dr. İlhan Varank Training And Research Hospital</u> Niyazi TUĞ MD, Prof.
Assistants	
Goals	After this program students are expected to be competent to: ● Do follow up of normal pregnancy period, ● Order necessary medical tests in pregnancy. ● Detect fetal cardiac activity (fca) ● Perform antenatal tests like non-stress test (nst) and cst, ● Evaluate results. ● Follow and examine normal spontaneous vaginal birth, ● Detect complications of birth. ● Detect high risk pregnancies ● Detect ectopic pregnancies, ● Make differential diagnosis in acute abdominal pain. ● Guide patients about appropriate usage of family planning and contraception methods ● Provide consultancy to patients about family planning and contraception methods' usage ● Recognize emergency patients' referral conditions

- Refer patient safely to appropriate center upon indication
- Refer high-risk pregnancies to secondary or tertiary reference centers
- Refer patients with menopause or osteoporosis to appropriate center upon indication
- Provide consultancy to patients about teratogenicity effects in pregnancy.
- Provide consultancy to patients about breast and cervix cancer screening.

Learning Outcomes At the end of this clerkship, the student should be able to:	Programme Learning Outcomes	Teaching Methods	Assessment Methods
Knowledge			
Explain antenatal tests	PO.1.1.10		
Describe normal spontaneous vaginal delivery	PO.1.1.3.		
Discuss pathological situations about birth	PO.1.1.6.		
Interpret high risk pregnancy	PO.1.1.3		
Identify ectopic pregnancy	PO.1.1.6.		
Predict teratogenic effects of drugs	PO.1.1.9		
List contraceptive methods	PO.1.1.1	1,2,3,12	A,C
Categorize non-stress test results	PO.1.1.8.		
Explain screening methods for gynecological cancers	PO.1.1.1		
Decide vulvovaginitis type and select treatment	PO.1.1.9.		
List causes and of abnormal uterine bleeding and their treatment	PO.1.1.3		
Describe management of endometriosis and polycystic ovary synd	PO.1.1.8		
Outline causes of infertility	PO.1.1.3.		
Skills			
take medical history about female genital system,	PO.1.1.4.		
perform a systemic physical examination including female genital s	PO.1.1.5		
do a pap smear test	PO.1.1.7		
perform breast and cervix cancer screening tests	PO.1.1.7	1,2,3,12	A,C
order menopause and osteoporosis screening tests	PO.1.1.7		
conduct a non stress test	PO.1.1.10		
manage common gynecological and obstetric emergencies	PO.1.1.9		
Attitudes			
Approach with right attitude to Patients and their relatives	PO.2.5.1.	1,2,3,12	A,C
value doctor-Patient communication and Patient privacy	PO.2.5.2		
inform Patient and Patients' relatives with respect	PO.2.5.4		

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 9: Simulation, 12: Case Study
Assessment Methods:	A: Testing B: Presentation C: Homework

	COURSE CONTENT	

Week	Topics	Study Materials
1	Lecture Gynecology: and Overview Including Related Anatomy	Materials for the course provided by the instructor
1	Lecture Obstetrics: an Overview Including Related Anatomy	Materials for the course provided by the instructor
1	Lecture Normal Labor	Materials for the course provided by the instructor
1	Lecture Abnormal Labor	Materials for the course provided by the instructor
1	Lecture Operative Labor and Cesarean Section	Materials for the course provided by the instructor
1	Lecture Benign Disorders of Uterus, Fallopian Tubes and Ovaries	Materials for the course provided by the instructor
1	Lecture Benign Disorders of Vulva and Vagina	Materials for the course provided by the instructor
1	Lecture Vulvo-Vaginitis	Materials for the course provided by the instructor
1	Lecture Anovulation	Materials for the course

		provided by the instructor
1	Lecture Ovarian Functions and its Neuro-Endocrine Control	Materials for the course provided by the instructor
1	Lecture Evidence Based Medicine: Ovulation Induction	Materials for the course provided by the instructor
1	Lecture Multiple Pregnancies	Materials for the course provided by the instructor
1	Lecture Perinatal Infections	Materials for the course provided by the instructor
1	Lecture Rh Isoimmunisation	Materials for the course provided by the instructor
1	Lecture Evaluation of Infertile Couple	Materials for the course provided by the instructor
1	Lecture Assisted Reproductive Technologies	Materials for the course provided by the instructor
1	Lecture Developmental Defects of the Female Reproductive Tract	Materials for the course provided by the instructor
1	Lecture Hematological Disorders and Pregnancy	Materials for the course provided by the instructor
1	Lecture Hypertensive Disorders and Pregnancy	Materials for the course provided by

		the instructor
1	Lecture Cardiovascular Diseases and Pregnancy	Materials for the course provided by the instructor
1	Lecture Evidence Based Medicine: Aproaching to Endometriosis	Materials for the course provided by the instructor
1	Lecture Gestational Trophoblastic Diseases	Materials for the course provided by the instructor
1	Lecture Hirsutismus	Materials for the course provided by the instructor
1	Lecture Obstetric Ultrasound Examination	Materials for the course provided by the instructor
1	Lecture High-risk Pregnancy: an Overview	Materials for the course provided by the instructor
1	Lecture Clinical Embryology	Materials for the course provided by the instructor
1	Lecture Hormonal Disorders and Pregnancy	Materials for the course provided by the instructor
1	Lecture Nutrition İn Pregnancy and Pre-Gestational and Gestational Diabetes	Materials for the course provided by the instructor
2	Lecture Perinatal Follow-Ups	Materials for the course provided by

			the instructor
2	Lecture Antenatal Screening Tests and Prenatal Diagnosis		Materials for the course provided by the instructor
2	Lecture Trombophilia and Pregnancy		Materials for the course provided by the instructor
2	Lecture Puerperium and Puerperal Infections		Materials for the course provided by the instructor
2	Lecture Intrauterine Growth Restriction		Materials for the course provided by the instructor
2	Lecture Evidence Based Assessment of Fetal Well-Being		Materials for the course provided by the instructor
2	Lecture Pre-invasive Cervical Neoplasm		Materials for the course provided by the instructor
2	Lecture Cervix Carcinoma		Materials for the course provided by the instructor
2	Lecture Vulvuvaginal Carcinoma		Materials for the course provided by the instructor
2	Lecture Complications of Early Pregnancy		Materials for the course provided by the instructor
2	Lecture Postpartum Bleeding		Materials for the course provided by

		the instructor
2	Lecture Ectopic Pregnancy	Materials for the course provided by the instructor
2	Lecture Preterm Premature Rupture of Membranes	Materials for the course provided by the instructor
2	Lecture Bleeding in the Third Trimester	Materials for the course provided by the instructor
2	Lecture Evidence Based Aproaching to the Postmenopausal Hormone Treatment	Materials for the course provided by the instructor
2	Lecture Pelvic Relaxation	Materials for the course provided by the instructor
2	Lecture Uro-Gynecology	Materials for the course provided by the instructor
2	Lecture A Gynecological Case Interactive Discussion	Materials for the course provided by the instructor
2	Lecture Gynecological Malignancies and Pregnancy	Materials for the course provided by the instructor
2	Lecture Malignant Ovarian Tumors and Malignant Disorders of Fallopian Tubes	Materials for the course provided by the instructor
2	Lecture Malignant Disorders of Uterus, Endometrium Carcinoma	Materials for the course provided by

		the instructor
2	Lecture Pediatric Gynecology, Puberty and Gynecological Disorders in Children and Adolescents	Materials for the course provided by the instructor
2	Lecture Menstrual Disorders, Amenorrhea	Materials for the course provided by the instructor
2	Lecture Abnormal Uterine Bleeding	Materials for the course provided by the instructor
2	Clinical Experience	Materials for the course provided by the instructor
3,4,5	Haydarpaşa Numune Training and Research Hospital- Clinical training	Materials for the course provided by the instructor
5	Written Examination	
5	Oral Examination	

NCC 2014 – Essential Medical Procedures (National Core Curriculum)	Performance Level
Examination of pregnant woman	3
Gynecologic examination	3
Obtaining informed consent	4
Preparing epicrisis	4
Preparing patient file	4
Writing prescription	4
Providing care to mother after delivery	3
Performing episiotomy and suturing	2
Following pregnant and puerperant woman	3
Managing spontaneous delivery	2
Obtaining servical and vaginal smear sample	3

RECOMMENDED SOURCES

Textbook	1- William's Obstetrics textbook 2- Berek Novak's Gynecology textbook 3- Speroff Clinical Gynecologic Endocrinology 4- www.uptodate.com
Additional Resources	Lecture notes

ASSESSMENT

Question Types (Pencil-Paper Tests)	Proportion (*in Pencil-Paper Tests*)
Multiple Choice Questions	100%
Extended Matching Questions	0%
Key Features	0%
Total	**100%**

Other Assessment Methods and Tools	Proportion (*in Pass/Fail Decision*)
Oral Exam (OE)	50%
Total	**50%**
Pass/Fail Decision	Proportion (*in Pass/Fail Decision*)
Pencil-Paper Tests	50%
Other Assessment Methods and Tools	50%
Total	**100%**

MATERIAL SHARING

Documents	Shared
Assignments	Shared
Exams	Not shareable

COURSE CATEGORY	Expertise/Field Courses

COURSE'S CONTRIBUTION TO PROGRAM

PODG.1. Basic Professional Competencies	Contribution				
POD.1.1. Clinical Competencies	1	2	3	4	5

PO.1.1.1.	*values* preventive health services, *offers* primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, *provides* consultancy on these issues.				X	
PO.1.1.2.	*employs* a patient-centered approach in patient management.				X	
PO.1.1.3.	*recognizes* most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.			X		
PO.1.1.4.	*takes* medical history from the applicant himself/herself or from the individual's companions.				X	
PO.1.1.5.	*does* general and focused physical and mental examination.				X	
PO.1.1.6.	*interprets* findings in medical history, physical and mental examination.			X		
PO.1.1.7.	*employs* diagnostic procedures that are used frequently at the primary health care level.				X	
PO.1.1.8.	*selects* tests that have evidence-based high efficacy at the primary health care level and *interprets* results.			X		
PO.1.1.9.	*makes* clinical decisions using evidence-based systematic data in health care service.			X		
PO.1.1.10.	*performs* medical interventional procedures that are used frequently at the primary health care level.			X		
PO.1.1.11.	*manages* healthy individuals and patients in the context of health care services.					
PO.1.1.12.	*keeps* medical records in health care provision and *uses* information systems to that aim.					
	POD.1.2. Competencies related to Communication					
PO.1.2.1.	throughout his/her career, *communicates* effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.					
PO.1.2.2.	*collaborates* as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.					
PO.1.2.3.	*recognizes* the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.					
PO.1.2.4.	*communicates* with all stakeholders taking into consideration the socio-cultural diversity.					
	POD.1.3. Competencies Related to Leadership and Management					
PO.1.3.1.	*manages* and *leads* within the health care team in primary health care organization.					
PO.1.3.2.	*recognizes* the principles of health management and health sector economy, models of organization and financing of health care services.					
PO.1.3.3.	*recognizes* the resources in the health care service, the principles for cost-effective use.					
	POD.1.4. Competencies related to Health Advocacy					
PO.1.4.1.	*recognizes* the health status of the individual and the community and the factors affecting the health, *implements* the necessary measures to prevent effects of these factors on the health.					
PO.1.4.2.	*recognizes* and *manages* the health determinants including conditions that prevent access to health care.					

	POD.1.5. Competencies related to Research					
PO.1.5.1.	*develops*, *prepares* and *presents* research projects					
	POD.1.6. Competencies related to Health Education and Counseling					
PO.1.6.1.	*provides* consultancy services and *organizes* health education for the community to sustain and promote the health of individual and community**.**					
	PODG.2. Professional Values and Perspectives					
	POD.2.1. Competencies related to Law and Legal Regulations					
PO.2.1.1.	*performs* medical practices in accordance with the legal framework which regulates the primary health care service.					
	POD.2.2. Competencies Related to Ethical Aspects of Medicine					
PO.2.2.1.	*recognizes* basic ethical principles completely, and *distinguishes* ethical and legal problems.					
PO.2.2.2.	*pays importance to* the rights of patient, patient's relatives and physicians, and *provides* services in this context.					
	POD.2.3. Competencies Related to Social and Behavioral Sciences					
PO.2.3.1.	*relates* historical, anthropological and philosophical evolution of medicine, with the current medical practice.					
PO.2.3.2.	*recognizes* the individual's behavior and attitudes and factors that determine the social dynamics of the community.					
	POD.2.4. Competencies Related to Social Awareness and Participation					
PO.2.4.1.	*leads* community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, *develops* projects directed towards health care services.					
	POD.2.5. Competencies Related to Professional Attitudes and Behaviors					
PO.2.5.1.	*displays* a patient-centered and holistic (biopsychosocial) approach to patients and their problems.					
PO.2.5.2.	*respects* patients, colleagues and all stakeholders in health care delivery.					
PO.2.5.3.	*displays* the proper behavior in case of disadvantaged groups and situations in the community.					
PO.2.5.4.	*takes* responsibility for the development of patient safety and healthcare quality.					
PO.2.5.5.	*evaluates* own performance as open to criticism, *realizes* the qualifications and limitations.					
	PODG.3. Professional Development and Self-Worth					
	PODG.3.1. Personal Development and Values					
PO.3.1.1.	*embraces* the importance of lifelong self-learning and *implements*.					
PO.3.1.2.	*embraces* the importance of updating knowledge and skills; *searches* current advancements and *improves* own knowledge and skills.					
PO.3.1.3.	*uses* English language at least at a level adequate to follow the international literature and to establish communication related to the profession.					

	POD.3.2. Competencies Related to Career Management					
PO.3.2.1.	*recognizes* and *investigates* postgraduate work domains and job opportunities.					
PO.3.2.2.	*recognizes* the application requirements to postgraduate work/job domains, and *distinguishes* and *plans* any requirement for further training and work experience.					
PO.3.2.3.	*prepares* a resume, and *recognizes* job interview methods.					
	POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health					
PO.3.3.1.	*implements* the rules of healthy living.					
PO.3.3.2.	*displays* appropriate behavior specific to work under stressful conditions.					
PO.3.3.3.	*uses* self-motivation factors.					

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity day	Duration (Hour)	Total Workload (Hour)
Course Duration (5 weeks)	25	6.5	162.5
Hours for off-the-classroom study (Pre-study, practice, review/week)	25	4	100
Homework	-	-	-
Exam	2	1	2
Total Work Load			264.5
Total Work Load / 30 (h)			8.81
ECTS Credit of the Course			9