



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Perinatal Pharmacology							
Course Code		EBE635		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	96 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To know the principles of drug use during pregnancy							
Course Content		Principles of drug use during pregnancy, the effect of drugs on the fetus, teratogenic substances, U.S.A food and drug administration (FDA) according to the categories of drugs risk of teratogenicity, antibiotic use in pregnancy, analgesic use during pregnancy, antiemetic drug during pregnancy, gastrointestinal drug use during pregnancy, antihypertensive use in pregnancy, other cardiovascular drugs used in pregnancy, antidepressants use in pregnancy, psychotropic drug use in pregnancy, antiepileptic drug use in pregnancy, hormones use in pregnancy							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Prof. Sündüz Özlem ALTINKAYA							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Süzer Ö (2008). Farmakoloji Ders Kitabı, Cerrahpaşa Tıp Fakültesi, İstanbul. İnternet erişim: <a href="http://www.ctf.edu.tr/farma/onersuzer/pdf/os_farmakoloji_onsoz.pdf">http://www.ctf.edu.tr/farma/onersuzer/pdf/os_farmakoloji_onsoz.pdf</a>
2	Sağol S. Gebelikte İlaç Kullanım Prensipleri, İzmir. İnternet erişim: <a href="http://egweb.ege.edu.tr/med/files/re%C3%A7ete%20g%C3%BCnleri%20sunumlar/Gebelikte%20ila%C3%A7%20kullan%C4%B1m%C4%B1%20-%20S.%20Sa%C4%9Fol.pdf">http://egweb.ege.edu.tr/med/files/re%C3%A7ete%20g%C3%BCnleri%20sunumlar/Gebelikte%20ila%C3%A7%20kullan%C4%B1m%C4%B1%20-%20S.%20Sa%C4%9Fol.pdf</a>
3	Doğan B, Karabudak Ö (2007). Gebelik ve Laktasyonda Dermatolojik ilaç Kullanımı. İnternet erişim: <a href="file:///C:/Users/Hp/Downloads/TURKDERM_41_SUP_1_8_12.pdf">file:///C:/Users/Hp/Downloads/TURKDERM_41_SUP_1_8_12.pdf</a>
4	İbrahimoğlu L. Gebelikte İlaç Kullanımı. İnternet erişim: <a href="http://www.e-kutuphane.teb.org.tr/pdf/eczaciodasiyayinlari/hamilecocuk/4.pdf">http://www.e-kutuphane.teb.org.tr/pdf/eczaciodasiyayinlari/hamilecocuk/4.pdf</a>
5	Olukman M, Parlar A, Orhan C.E., Erol A (2006). Gebelerde İlaç Kullanımı: Son Bir Yıllık Deneyim. İnternet erişim: <a href="file:///C:/Users/Hp/Downloads/TJOD_3_4_255_261.pdf">file:///C:/Users/Hp/Downloads/TJOD_3_4_255_261.pdf</a>
6	Çelebi G (2009). Gebelik ve Antimikrobiyal İlaç Kullanımı. Zonguldak Karaelmas Üniversitesi Tıp Fakültesi Enfeksiyon Hastalıkları ve Klinik Mikrobiyoloji AD, Ankara. İnternet erişim: <a href="http://www.klinik.org.tr/wp-content/uploads/2012/02/882011144320-NC9MpXvGgDNb.pdf">http://www.klinik.org.tr/wp-content/uploads/2012/02/882011144320-NC9MpXvGgDNb.pdf</a>
7	Çetin M (2011). Gebelikte Psikotrop İlaç Kullanımı: Bir Güncelleme. Klinik Psikofarmakoloji Bülteni, 21:2. İnternet erişim: <a href="http://www.psikofarmakoloji.org/pdf/21_2_13.pdf">http://www.psikofarmakoloji.org/pdf/21_2_13.pdf</a>
8	Memikoğlu O. Gebelikte Antibiyotik Kullanımı. İnternet erişim: <a href="http://www.infeksiyon.org/images/file_upload/e4da3b7fbbce2345d7772b0674a318d5997L49.pdf">http://www.infeksiyon.org/images/file_upload/e4da3b7fbbce2345d7772b0674a318d5997L49.pdf</a>
9	Gebelikte kardiyovasküler hastalıkların tedavisine ilişkin ESC kılavuzları (2012). İnternet erişim: <a href="http://www.tkd.org.tr/~media/files/tkd/kilavuzlar/esc-kilavuzlari/tkda_40_50_70_120.pdf">http://www.tkd.org.tr/~media/files/tkd/kilavuzlar/esc-kilavuzlari/tkda_40_50_70_120.pdf</a>

Week	Weekly Detailed Course Contents	
1	Theoretical	Principles of drug use during pregnancy
	Preparation Work	Introduction, Reading, Browsing Resources, Examination
2	Theoretical	The effect of drugs on the fetus
	Preparation Work	Reading, Browsing Resources, Examination
3	Theoretical	Teratogenic substances
	Preparation Work	Reading, Browsing Resources, Examination
4	Theoretical	U.S.A food and drug administration (FDA) according to the categories of drugs risk of teratogenicity
	Preparation Work	Reading, Browsing Resources, Examination
5	Theoretical	Antibiotic use in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
6	Theoretical	Analgesic use during pregnancy



6	Preparation Work	Reading, Browsing Resources, Examination
7	Theoretical	Antiemetic drug during pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
8	Intermediate Exam	Midterms
9	Theoretical	Gastrointestinal drug use during pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
10	Theoretical	Antihypertensive use in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
11	Theoretical	Other cardiovascular drugs used in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
12	Theoretical	Antidepressants use in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
13	Theoretical	Psychotropic drug use in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
14	Theoretical	Antiepileptic drug use in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
15	Theoretical	Hormones use in pregnancy
	Preparation Work	Reading, Browsing Resources, Examination
16	Preparation Work	Reading, Browsing Resources, Examination
	Final Exam	Final

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Individual Work	12	0	2	24
Midterm Examination	1	8	2	10
Final Examination	1	18	2	20
Total Workload (Hours)				96
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	To be able to discuss the principles of drug use during pregnancy
2	To know the risk of teratogenicity categories of drugs
3	To know the effects of drugs on the fetus
4	To be able to provide counseling and education about the treatment applied to patients who have to use medication during pregnancy and follow-up
5	To have knowledge about drugs used in obstetric emergency situations

### Programme Outcomes (Midwifery Doctorate)

1	To be able to develop and deepen in the level of expertise with original thinking and / or research in recent and advanced information in the midwifery area as based on midwifery postgraduate qualification, and to create the original definitions bring innovation to the area, to evaluate and use new information in a systematic approach
2	To be able to develop the new / known idea, method and / or application included innovation to the midwifery science and art using the mental processes as creative and critical thinking, problem solving and decision making, to applies to the different area, to make the critical analysis, synthesis and evaluation of new and complex ideas.
3	To be able to use strategic decision-making processes in the solution of problems related midwifery, to adopted and practice continuous professional development and lifelong learning policy.
4	To be able to understand the interaction between disciplines associated with midwifery, to reaches the original results using the information requiring expertise in the analysis, synthesis and evaluation of the new and complex ideas.
5	To be able to has the experience ability of working with other health care disciplines, to make the leadership in interdisciplinary problem solving, to discuss with experts putting out original ideas issues in the field and to use the effective communication showing her competence.
6	To be able to contribute to the solution of social, scientific, cultural and ethical problems encountered in the issues related with midwifery, and support the development of these values.
7	To be able to know the importance of ethical principles and ethics committee for the individual and society, examine and develop governing norms social relations and these relationships with a critical perspective, and if it is necessary, manage action to change.



8	To be able to contribute to advances in the field performing independently an original work developing the new idea, method, design and / or application coming innovation to the midwifery science and art or implementing a known idea, method, design and / or application to a different area.
9	To be able to follow up evidence-based practices and to conduct researches related to professional practice to create evidence in their field.
10	To be able to has knowledge and skills in high-level about statistics the methods used in the midwifery researches, and select, implement and interpret the correct statistical methods in her research, evaluate a scientific article in terms of research methods and statistics.
11	To be able to writ report of the research that she participate, contribute to knowledge in the field presenting at least one scientific article national / international accepted by a peer-reviewed publications in journals and / or presenting at scientific meetings.
12	To be able to have knowledge and skills to use advanced computers, other technological tools and specific to the device required for midwifery area, and to develop creative solutions to a problem.
13	To be able to use current developments and information in the field of health to benefit of society in the direction of mothers, babies, family, national values and the realities of the country, contribute to be the information society and the process of maintain it by introducing the development his society.

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3
P4	5	5	5
P5	5	5	5
P7	5	5	5
P9	5	5	5
P12	5	5	5
P13	5	5	5

