



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Maternal-Fetal and Neonatal Physiology							
Course Code		EBE634		Coure Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	97 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		This course, from the beginning of pregnancy until birth process, changes in the physiology of the embryo and fetus, problems may arise when there are deviations from the normal fetus, teaches coping methods. Physiological changes in the tests for the assessment of fetal health and appropriate intervention strategies to improve Diagnosing provide. In addition, teaching neonatal physiological adaptation mechanisms, diagnosis and intervention of usual freaking covers.							
Course Content		Maternal physiology, embryonal development, fetal development, embryonal and fetal development phases to changes in the mother's compliance, high-risk pregnancies the mother and fetus occurring physiological changes and adaptation mechanisms of fetal health in evaluating tests physiological changes in diagnosing and midwifery practice, neonatal physiology, neonatal physiological adaptation mechanisms for diagnostics and midwifery care							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Assoc. Prof. Keziban AMANAK							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Tokat M A ve ark, Gebelik ve Doğum Eyleminde Elektronik Fetal İzlem, Deomed, 2013.
2	Has R, Fetal Kalp Hızı Monitorizasyonu, Nobel Tıp Kitabevi, 2006.
3	Gelir E, Ersöz G, Koz M, Fizyoloji Ders Kitabı, Nobel Yayın Dağıtım, Ankara, 2000.
4	Widmaier E P, Vander İnsan Fizyolojisi, Çev. Ed.: Tuncay Özgönen, Güneş Kitabevi, 2014.
5	Ertuğrul L, Fizyoloji, Nobel Tıp Kitabevi, 2007.
6	Seymen O, Olgularla Fizyoloji, Nobel Tıp Kitabevi, 2007.
7	Solakoğlu Z, Tıbbi Fizyoloji Cep Kitabı, Nobel Tıp Kitabevi, 2003.
8	Gökbek H, Ganong'un Tıbbi Fizyolojisi, Nobel Tıp Kitabevi, 2011.
9	Preston R R, Wilson T E, Fizyoloji, Nobel Tıp Kitabevi, 2013.
10	Hall J E, Guyton A C, Guyton & Hall, Textbook of Medical Physiology, Saunders Comp, USA, 2000.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction, determination of student expectations, the sharing of resources
2	Theoretical	Formation of pregnancy, embryonal development and physiology
	Preparation Work	Research, reading
3	Theoretical	Formation of pregnancy, embryonal development and physiology
	Preparation Work	Research, reading
4	Theoretical	Fetal development and physiology
	Preparation Work	Research, reading
5	Theoretical	Fetal development and physiology
	Preparation Work	Research, reading
6	Theoretical	The mother's physiological adaptation to changes during pregnancy
	Preparation Work	Research, reading
7	Theoretical	The mother's physiological adaptation to changes during pregnancy
	Preparation Work	Research, reading
8	Preparation Work	Research, reading
	Intermediate Exam	Midterm exam
9	Theoretical	physiological changes occurring in the mother and fetus in high-risk pregnancy



9	Preparation Work	Research, reading
10	Theoretical	Physiological changes that occur in high-risk pregnancy mother and fetus compliance
	Preparation Work	Research, reading
11	Theoretical	Physiological changes in the tests for the assessment of fetal health diagnosing and midwifery approach
	Preparation Work	Research, reading
12	Theoretical	Physiological changes in the tests for the assessment of fetal health diagnosing and midwifery approach
	Preparation Work	Research, reading
13	Theoretical	Physiological changes in the tests for the assessment of fetal health diagnosing and midwifery approach
	Preparation Work	Research, reading
14	Theoretical	Physiological adaptation mechanisms of the newborn
	Preparation Work	Research, reading
15	Theoretical	Deviate from the normal condition of the newborn physiological adaptation mechanisms diagnosing and midwifery approach
	Preparation Work	Research, reading
16	Preparation Work	Research, reading
	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	3	2	75
Midterm Examination	1	8	2	10
Final Examination	1	10	2	12
Total Workload (Hours)				97
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To know maternal, embryonal, fetal and neonatal physiology
2	To diagnose maternal, fetal and newborn health in the usual slings and to know physiological mechanisms the situation
3	To plan, implement, evaluate maternal, fetal and neonatal physiological changes occurring midwifery care according
4	To diagnose maternal and fetal health in the usual slings and to know physiological mechanisms the situation
5	Newborn health in the usual slings and to know physiological mechanisms the situation

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
P1	5	5	5
P2	5	5	5
P3	4	5	5
P4		5	5
P5			5
P6			4
P7			2
P8			3
P9	5	5	5
P12	5	5	5
P13	2	2	3

