



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ

HELLENIC REPUBLIC

ΕΘ.Α.Α.Ε.

H.A.H.E.

ΕΘΝΙΚΗ ΑΡΧΗ ΑΝΩΤΑΤΑΤΗΣ ΕΚΠΑΙΔΕΥΣΗΣ

HELLENIC AUTHORITY FOR HIGHER EDUCATION

University of West Attica

School of Health and Care Sciences

Department of Biomedical Sciences and Midwifery

Undergraduate Studies

“Applications of Biomedical Technology in Infertility - Male and Female Factor”

Course Outline

INFERTILITY COUNSELING



ATHENS 2023

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Health and Care Sciences		
ACADEMIC UNIT	Biomedical Sciences and Midwifery		
LEVEL OF STUDIES	Undergraduate Studies		
COURSE CODE	MYE 1.4.2	Study Semester	First
COURSE TITLE	Infertility Counseling		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>	WEEKLY TEACHING HOURS	CREDITS	
Lectures	2	7	
COURSE TYPE <i>General background, special background, specialized general knowledge, skills development</i>	<i>special background</i>		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek, English		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://eclass.uniwa.gr/		

(2) LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i> <p>This course is a specialization course that aims to provide the student with the knowledge to understand and manage clinical and psychological issues related to infertility and assisted reproduction and to provide them with the skill and ability to assess the clinical and mental health of infertile patients. The main objective of the course is to equip students with knowledge, clinical and cognitive skills and abilities to be able to assess the clinical health and recognize the mental and emotional health problems of infertile patients in order to contribute to their timely treatment and prompt referral of conditions to specialist health professionals.</p> <p>After the end of the course students will be able to:</p> <ul style="list-style-type: none"> • They have acquired knowledge regarding the condition of infertility, its etiology as well as methods of assisted reproduction.

- Recognize the emotional and psychological needs of infertile patients and develop skills to provide psychological and emotional support to women experiencing infertility and undergoing assisted reproduction.
- Develop communication and management skills for infertile women undergoing assisted reproduction to inform them and ensure informed choice on the part of these women.
- Collaborate responsibly with other health professionals (eg mental health professionals) and be an active and functional member of a multidisciplinary team in the recognition, referral and management of reproductive health and fertility abnormalities and problems.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

*Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas*

*Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
.....
Others...
.....*

- Search, analysis and synthesis of data and information, using the necessary technologies
- Teamwork
- Work in an interdisciplinary environment
- Work in an international environment
- Generating new research ideas
- Decision making
- Promotion of free, creative and inductive thinking

(3) SYLLABUS

1. Physiology and endocrinology of reproduction
2. Causes of infertility (female infertility, male infertility, idiopathic infertility) and investigation of the etiology of infertility
3. Methods of assisted reproduction (hormone therapy, IVF, natural cycle, insemination)
4. Biological effect of chronic stress and anxiety on female and male fertility as well as assisted reproduction
5. Psychometric tools, psychometry. Early detection of mental health issues in infertile couples
6. History taking and psychosocial assessment of the infertile patient
7. Evaluation of psychosocial factors that influence the psychological adaptation of the infertile patient

8. Counseling and stress reduction techniques for couples undergoing assisted reproduction
9. Adaptation to pregnancy and parenthood after IVF
10. Providing counseling care to assisted reproduction and the infertile couple
11. Providing information (written and oral) and informed choice in assisted reproduction
12. Providing care and counseling in special cases of assisted reproduction
13. Ethical and legal issues in assisted

(4) TEACHING and LEARNING METHODS – EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	➤ Learning processes support through electronic platforms: e class, Microsoft Teams, Skype Business

TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non- directed study according to the principles of the ECTS</i>	Activity	Semester Workload
	lectures	52
	Interactive teaching	16
	Literature study and analysis	24
	Study presentation	29
	Writing of thesis	29
	Independent study	50
	Course total	200
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open- ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students</i>	<ol style="list-style-type: none"> 1. Written final exam (60%) including: <ul style="list-style-type: none"> • Multiple Choice Questions • Short Answer Questions, • Problem Solving 2. Presentation of Individual or Group Work (40%) <p>The students' evaluation criteria are explicitly defined, they are contained in evaluation cards that are accessible to the students if they are given to them at the beginning of the course.</p>	

(5) ATTACHED BIBLIOGRAPHY

Suggested Bibliography:

1. Γουρουντή Κλ. (2018) . Συμβουλευτική στην Υπογονιμότητα. εκδ. Κωνσταντάρας, Αθήνα
2. Boivin J. Kantenich H. (2002) Guidelines for counseling in infertility. ESHRE Monographs. London: Oxford University Press.
3. Burns LH. Covington S. (1999) Infertility Counselling. A comprehensive handbook for clinicians. New York: Parthenon.
4. Cooper-Hilbert B. (1998) Infertility and involuntary childlessness: helping couples cope. New York: WW Norton.
5. Covington S., Burns LH. (2006) Infertility Counselling. A comprehensive handbook for clinicians. New York: University Cambridge Press.
6. Diamond R., Kezur D., Meyers M. (1999) Couple therapy for infertility. New York: Guildford Press.
7. Inhorn M., Van Balen F. (2002) Infertility around the globe: new thinking of childlessness, gender and reproductive technologies. Los Angeles, CA: University of California Press.
8. Singer D., Hunter. (2003) Assisted human reproduction: psychological and ethical dilemmas. London Whurr Publishers.
9. Stanton A. and Dunkell Schetter (1991) Infertility: perspectives from stress and coping research. New York: Plenum Press.

Scientific Journals:

1. European Journal of Obstetrics & Gynecology and Reproductive Biology
2. Acta Obstetrica et Gynecologica Scandinavica
3. American Journal of Obstetrics and Gynecology
4. Fertility and Sterility
5. Journal of Infant and Reproductive Psychology
6. Journal of Women's Mental Health