



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Biology of Ageing							
Course Code		YSB621		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	127 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Developing biological changes in the aging process to teach the subject							
Course Content		Students will focus organs and systems of biological aging is happening and how this situation the ability of individuals and society in general on issues impact							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Cassel CK. 2003. Geriatric Medicine. Fourth edition. Springer.
2	Ulrich P, Cerami A. Protein glycation, diabetes and aging. Recent Prog Horm Res, 2001; 56: 121.

Week	Weekly Detailed Course Contents	
1	Theoretical	The definition of biological aging
2	Theoretical	cellular aging
3	Theoretical	organismal aging
4	Theoretical	Studies on aging models
5	Theoretical	The relationship between aging and DNA damage
6	Theoretical	Definitions and principles of preventive health care
7	Theoretical	Evolutionary process of aging
8	Intermediate Exam	Midterm exam
9	Theoretical	Psychological, sociological and social aging
10	Theoretical	Aging changes in the biological system
11	Theoretical	diseases that may arise as a result of aging
12	Theoretical	The mechanism of chemical carcinogenesis
13	Theoretical	DNA damage and repair mechanisms
14	Theoretical	Genetic relationship of aging
15	Theoretical	Free radical theory of aging,
16	Final Exam	exam of final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	12	0	2	24
Assignment	3	10	0	30
Seminar	1	20	1	21
Midterm Examination	1	20	1	21
Final Examination	1	30	1	31
Total Workload (Hours)				127
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Can establish the relationship between aging and DNA damage.
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2	Make the definition of biological aging.
3	Cellular senescence can understand.
4	You can define organismal aging.
5	You can learn about the models of aging studies

Programme Outcomes (*Aging Health and Care Interdisciplinary Doctorate*)

1	Gaining a holistic perspective in approaching the elderly
2	Being able to direct the society in the field of social, political and elderly health with scientific knowledge.
3	Being able to act as a guide for colleagues working in the field of elderly health
4	To be able to have an ethical perspective and behavior in the fields and practices related to aging.
5	Being able to act as a bridge between those working in the field and academicians
6	Producing projects that meet the needs of the society
7	Ability to produce scientific publications in the field of elderly health

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

	L1	L2	L3	L4	L5
P1	4	4	4	4	4

