

	GAZIANTEP ISLAMIC SCIENCE AND TECHNOLOGY UNIVERSITY GRADUATE EDUCATION INSTITUTE COURSE CONTENT FORM
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	COURSE INFORMATION					
Curriculum year	Course name	Code	Semester	T+U Clock	Credit	ECTS
	SCIENTIFIC RESEARCH TECHNIQUES AND ETHICS		II	3+0	3	6

Language of the Course	Turkish
Course Level	Degree
Department/Program	Histology-Embryology
Education Type	Formal
Type of Course	Compulsory
Prerequisite Courses	No
Department/Program coordinator	Prof. Dr. Mehmet Yüncü
Course Supervisor(s)	
Course Assistants	Asst. Prof. Ayşegül Burçin Yıldırım Asst. Prof. Çiğdem Karaca Asst. Prof. Mustafa Öztatlıcı
The aim of lesson	To teach planning, implementation, management and conduct of research. Selecting and applying methods that can analyze research data to teach. To adopt scientific thought and scientific approach. To provide students with the knowledge, attitudes and behaviors necessary in their academic lives in research and publication ethics.
Course Content	Meaning of science, scientific approach, scientific method, characteristics of scientific research, selection of research topic, research planning, information gathering, literature review, experimental arrangements, thesis preparation, preparation of a scientific publication, presentation and presentation techniques, scientific study and publication ethics.
Teaching-Learning Methods and Techniques Used in the Course	Lecture (Presentation) method, student lecture presentations, Discussion method, question and answer, laboratory method
Course Internship Status	No

Course Learning Outcomes
1. Expresses and interprets science and scientific thought..Express and interpret scientific approach and scientific method
2.Specifies the characteristics of a scientific research. Explains how to choose a research topic
3.Expresses, explains and does how to plan a scientific research. Indicates and demonstrates the methods of collecting information about the research. Performs literature review and evaluation
4.Plans an experimental study. Conducts an experimental study
5. Expresses and does how to prepare a scientific thesis. Makes and edits a scientific thesis
6. Prepares a scientific publication. Prepares and presents a presentation on a topic
7. Adopts ethical values in scientific research and publication.

COURSE FLOW	
Week	Topics
1	Science, scientific approach and method
2	Principles of scientific research
3	Research topic selection
4	Literature review and evaluation
5	Planning a scientific research
6	Presentation preparation and presentation techniques
7	Presentation preparation and presentation techniques
8	Prepare and present papers
9	Article preparation and writing
10	Thesis writing principles
11	Research Ethics
12	Publishing Ethics
13	General Evaluation
14	Final Examination

RESOURCES

- Alaçam E: Scientific Activity and Publication. TUBITAK Publications, 1995
- Portney LG, Watkins MP. Foundations of clinical research. Prentice Hall, 2000.
- Aksakoğlu G. Research and analysis in health. My third post. Izmir: Meta Press; 2013.
- Resnik David B. (2004) Science Ethics Details Publications. Istanbul.
- Erdemir AD, Oğuz Y, Elçioğlu Ö, Doğan H.(2001) Clinical Ethics Nobel Medicine Bookstore, Istanbul
- Erdemir AD. Priorl O. Aksoy S. (2003) Contemporary Medical Ethics Nobel Medicine Bookstore, Istanbul

ASSESSMENT SYSTEM

SEMESTER STUDIES	number	PERCENTAGE OF CONTRIBUTION
Midterm	1	40%
Quiz		
Homework	1	10%
Continue		
Seminar		
Application		
Course Specific Internship (if applicable)		
Project		
Workshop		
Presentation		
Semester final exam	1	50%
Total	3	100%
Contribution of Midterm Studies to Success Grade		
The Contribution of the Final Exam to the Success Grade		
Total		

ECTS / WORKLOAD TABLE			
Activity	number	Duration (Hour)	Total Workload (Hours)
Course Duration (Including the exam week: 15x total course hours)	15	3	45
Out of Class Study Time (Pre-study, reinforcement)	15	7	115
Homework	1	5	5
Seminar			
Presentation	2	3	6
Application			
Lab	0	-	-
Course Specific Internship (if applicable)			
Project			
Workshop			
Other (.....)			
Midterm	1	2	2
Quiz			
Semester final exam	1	2	2
Total Workload			175
Total Workload / 30(s)			
ECTS Credits of the Course			6

ASSOCIATION OF COURSE LEARNING OUTCOMES WITH PROGRAM OUTCOMES

No.	Program Learning Outcomes
1	Have general knowledge about the human body
2	Have detailed information about the histological structures of human tissues and organs.
3	Learns histological and histochemical techniques
4	Have detailed information about general human embryology.
5	Learn to use research lab tools and materials

6	Improves scientific article reading and evaluation proficiency
7	Can make histology laboratory applications to undergraduate students
8	Gains a general vision about basic medical sciences
9	Provides the necessary knowledge to participate in the doctoral program
10	Provides the competence to be a researcher in multidisciplinary research

Learning Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01.	1	2	2	1	1	5	1	3	5	5
L02.	1	2	2	2	1	5	1	3	5	5
L03.	1	2	2	1	1	5	1	3	5	5
L04.	1	2	2	2	1	5	1	3	5	5
L05.	2	2	1	1	2	5	2	3	5	5
L06.	1	2	2	1	2	5	2	3	5	5
L07.	1	1	1	1	1	5	2	3	5	5
LO: Learning Outcomes OP: Program Outcomes										
Contribution Level	1. Very Low		2. Low		3. Medium		4. High		5. Very High	