

COURSE RECORD

Code	GCC 1001
Name	Introduction to Scientific Research Methods and Scientific Publication Ethics
Hour per week	3 (3 + 0)
Credit	3
ECTS	7.5
Level/Year	Graduate
Semester	Fall, Spring,
Type	Compulsory
Prerequisites	NA
Description	In addition to becoming familiar with the literature and learning the tools of research in a discipline, it is critical that graduate students become familiar with the values, regulations and professional standards that define responsible conduct in scientific research. This course will provide a more formal and structured opportunity to gain familiarity with these values, requirements and professional standards, and also provide students the opportunity to practice applying the standards to research-related situations through discussion of case studies.
Objectives	Describing the values and norms of scientific research/scholarship and elements of basic ethical theory. Recognizing state law and regulations, and university policies, governing the practice of research. Illustrating practical applications of the principles and standards, state law and regulations, and policy to situations that life scientists may encounter in the conduct of research. Listing the funding sources in Turkey.
Learning Outcomes	LO1 Interpret ethical principles applied in research LO2 Design academic life efficiently with desired outputs LO3 Categorize research misconduct and get familiar to the concept before gaining more painfully through a corrective action after an unintended mistake is made LO4 Assess scientific tools while preparing the thesis or manuscripts

CONTRIBUTION TO PROGRAMME OUTCOMES***Advanced Materials and Nanotechnology**

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010
LO1	1	1	1	1	1	1	1	1	1	1
LO2	1	1	1	1	1	1	1	1	1	1
LO3	1	1	1	1	1	1	1	1	1	1
LO4	5	5	5	5	5	5	5	5	5	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

Electrical and Computer Engineering

	P01	P02	P03	P04	P05	P06
LO1	1	1	1	4	5	1
LO2	1	1	1	4	5	1
LO3	1	1	1	4	5	1
LO4	5	5	5	5	5	5

Materials Science and Mechanical Engineering

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	1	1	1	1	1	1	1	1	1
L02	1	1	1	1	1	1	1	1	1	1
L03	1	1	1	1	1	1	1	1	1	1
L04	5	5	5	5	5	5	5	5	5	5

Industrial Engineering

	PO1	PO2	PO3	PO4	PO5	PO6
L01	1	1	1	1	1	1
L02	1	1	1	1	1	1
L03	1	1	1	1	1	1
L04	5	5	5	5	5	5

Bioengineering

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14
L01	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L02	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L03	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L04	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Sustainable Urban Infrastructure Engineering

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
L01	1	1	1	1	1	1	1	1
L02	1	1	1	1	1	1	1	1
L03	1	1	1	1	1	1	1	1
L04	5	5	5	5	5	5	5	5

Policy Analytics in Global Issues

	PO1	PO2	PO3	PO4	PO5	PO6
L01	2	1	2	2	2	1
L02	2	2	2	2	2	2
L03	1	1	1	1	1	1
L04	5	5	5	5	5	5

COURSE CONTENT DETAILS

Topics	Outcomes
Research Misconduct	L01, L02, L03
Protection of Human Subjects, The welfare of laboratory animals	L01, L02, L03
Conflict of Interest	L01, L02, L03
Publication Ethics	L01, L02, L03
Scientific Proposal	L04

DERS BİLGİLERİ

Kodu	GCC 1001
İsmi	Bilimsel Araştırmaya Giriş ve Yayın Etiği
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	7,5
Seviye/Yıl	Lisansüstü
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	Yok
İçerik	Bir disiplinde literatürü tanımak ve araştırma araçlarını öğrenmeye ek olarak, lisansüstü öğrencilerin bilimsel araştırmalarda sorumlu davranışı tanımlayan değerlere, düzenlemelere ve mesleki standartlara aşina olmaları önemlidir. Bu ders, bu değerlere, gereksinimlere ve mesleki standartlara aşina olmak için daha resmi ve yapılandırılmış bir fırsat sunacak ve ayrıca öğrencilere vaka ile ilgili çalışmaların tartışılması yoluyla araştırma ile ilgili durumlara standart uygulama konusunda uygulama fırsatı sağlayacaktır.