

BF-501 - SCIENTIFIC RESEARCH METHODS - Sosyal Bilimler Enstitüsü - Bankacılık ve Finans Ana Bilim Dalı

General Info

Objectives of the Course

The aim of this course is to enable students to understand the research process in the social sciences together with its philosophical foundations, and to develop a solid grasp of key concepts such as scientific method, paradigm, theory, hypothesis, model, variable and assumption. The course also aims to familiarize students with quantitative and qualitative research designs so that they can critically evaluate empirical studies in the social sciences and justify their own research designs.

Course Contents

The course addresses the nature of science and the social sciences, alternative ways of knowing, and the basic concepts of the scientific method and scientific research. It examines the logic of reasoning in the social sciences (induction and deduction) and the main dimensions of the philosophy of science (ontology, epistemology, axiology), and discusses the notion of paradigm, different understandings of social science, and the functionalist, interpretive, radical humanist and radical structuralist paradigms. The conceptual framework of research is developed through an examination of theory, hypothesis, model, variable and assumption, together with the operationalization of concepts. In addition, the course covers the classification of research methods, their underlying philosophical assumptions, and major quantitative and qualitative research designs.

Recommended or Required Reading

Gürbüz, S., & Şahin, F. (2018). Sosyal bilimlerde araştırma yöntemleri: Felsefe-yöntem-analiz [Research methods in social sciences: Philosophy-method-analysis] (5th ed.). Seçkin Yayıncılık. & Lecture notes shared by the course instructor.

Planned Learning Activities and Teaching Methods

Interactive lectures, small-group discussions analyzing case studies, and student-led presentations.

Recommended Optional Programme Components

Students are expected to come prepared for class and attend regularly.

Instructor's Assistants

No supplementary textbook is provided.

Presentation Of Course

Face to face

Dersi Veren Öğretim Elemanları

Assoc. Prof. Dr. Ebrucan İslamoğlu Assoc. Prof. Dr. Ceylan Bozpolat

Program Outcomes

1. Define the basic concepts of science, natural sciences, and social sciences.
2. Explain the fundamental characteristics of qualitative and quantitative research methods.
3. Summarize the research process and its main stages.

Weekly Contents

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Introduction to science, the social sciences and the course	
2	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	The difference between natural sciences and social sciences in science	
3	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Alternative ways of knowing	
4	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Qualities of scientific knowledge	
5	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Reasoning logic in social sciences	
6	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Inductive and deductive approaches	
7	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Philosophy and concepts of science	
8	Relevant sections of the textbook and lecturer's lecture notes		Exam	Exam	
9	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Examples of experiments in social sciences - Part I	
10	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Examples of experiments in social sciences - Part II	
11	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	The scientific research process and problem definition	
12	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Determining research objectives, and planning the research design	
13	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Sampling, data collection, data analysis, results and reporting	
14	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Quantitative and qualitative research designs	
15	Relevant sections of the textbook and lecturer's lecture notes		Lectures, discussions, and case studies	Overall review of all content, review and exam preparation	

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Vize	1	1,00
Final	1	1,00
Derse Katılım	14	3,00
Ders Öncesi Bireysel Çalışma	14	2,00
Ders Sonrası Bireysel Çalışma	14	2,00
Bütünleme	1	1,00
Tartışma	14	1,00
Soru-Yanıt	14	1,00
Ara Sınav Hazırlık	7	2,00
Final Sınavı Hazırlık	7	2,00
Ev Ödevi	5	2,00

Assesments

Activities	Weight (%)
Final	60,00
Vize	40,00

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13
L.O. 1											4	5	
L.O. 2											4	5	
L.O. 3											4	5	

Table :

- P.O. 1 :** 1. Bankacılık ve finans Sektörü için gerekli teorik bilgi ve araçları güncel hayatta kullanabilme becerisine sahiptir.
- P.O. 2 :** 2. Bankacılık ve finans sektöründe yenilikçi, yaratıcı proje ve uygulamaları ortaya koyabilme becerisine sahiptir.
- P.O. 3 :** 3. Bankacılık ve finans alanında ulusal ve uluslararası konularda analitik düşünme ve problem çözme becerisine sahiptir.
- P.O. 4 :** 4. Bankacılık ve finans alanında küresel gelişmeleri ve sorunları takip edebilme ve güncel ekonomik göstergeleri yorumlayabilme becerisine sahiptir.
- P.O. 5 :** 5. Sektörde vizyon sahibi olma ve stratejik kararlar alma ve uygulayabilme becerisine sahiptir.
- P.O. 6 :** 6. Mesleki ve etik sorumluluk bilincine sahiptir.
- P.O. 7 :** 7. Bankacılık ve finans alanında bilimsel ve teknolojik gelişmeleri izleme ve güncel hayata uyarlama becerisine sahiptir.
- P.O. 8 :** 8. Bankacılık ve finans mevzuatı hakkında bilgi sahibi olma ve yorumlayabilme becerisine sahiptir.
- P.O. 9 :** 10. Bankacılık ve finans sektörünü etkileyen riskleri tespit edebilme, ölçebilme ve etkisini azaltabilme bilgisine sahiptir.
- P.O. 10 :** 11. Bankacılık ve finans sektörünü etkileyen diğer disiplinlerden yararlanabilmek ve bu disiplinlere ilişkin temel bilgilere sahiptir.
- P.O. 11 :** 11. Ekonomiye ilişkin sayısal verilerle çalışabilme, istatistiksel veri analizi ile ilgili araçları kullanabilme becerisine sahiptir.
- P.O. 12 :** 12. Bir araştırmada uygulaması gereken aşamaları bilme ve bilimsel araştırma yapabilme yetkinliğine sahiptir.
- P.O. 13 :** 13. Dünya kültürlerine açık, farklı inanç, düşünce ve yaşam biçimlerine saygılı, bilimsel düşünce çerçevesinde bilgiyi sorgulama yetkinliğine sahiptir.
- L.O. 1 :** Define the basic concepts of science, natural sciences, and social sciences.
- L.O. 2 :** Explain the fundamental characteristics of qualitative and quantitative research methods.
- L.O. 3 :** Summarize the research process and its main stages.