Fizik Bölümü / PHYSICS /

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
FZK-2020	R&D and Project Management	2.00	0.00	0.00	2.00	2.00

Course Detail

Course Language	:	Turkish
Qualification Degree	:	Bachelor
Course Type	:	Optional
Preconditions	:	Not
Objectives of the Course	:	The main aim of this course; To gain culture with R&D and project concepts. To ensure that they have the ability to make projects and take part in R&D studies.
Course Contents	:	Project definition, types and methods, R&D definition, scope, characteristics, importance and culture. Project and R&D work practices and examples.
Recommended or Required Reading	:	1- Ar-Ge El Kitabı, Özdinç, Ö., 2018, Serakademi. 2- Ar-Ge Teşvikleri, Bezirci, M., 2012, Beta Yayınları. 3- Ar-Ge Yönetimi, Öner, M. A.,2017, D&R.
Planned Learning Activities and Teaching Methods	:	Oral presentation, practice, homework, discussion.
Recommended Optional Programme Components	:	Researching, examining, analyzing and interpreting resources on R&D and Technology applications.
Instructors	:	Prof. Dr. İsmail Tarhan
Instructor's Assistants	:	None
Presentation Of Course	:	Face to face

Course Outcomes

Upon the completion of this course a student :

1 Defines the concepts of R&D and project.

2 Gains a culture of R&D and project making.

3 Participates in R&D studies.

4 He/She generates a project.

5 She/He takes part in projects.

Preconditions

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Weekly Contents

	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods
1.Week	*R&D concept, scope, types, culture.				
2.Week	*R&D concept, scope, types, culture.				
3.Week	*The history of R&D and its importance in development				
4.Week	*The history of R&D and its importance in development				
5.Week	*R&D studies in Turkey, developing and developed countries and the world.				
6.Week	*R&D studies in Turkey, developing and developed countries and the world.				
7.Week	*Relationship between science, project, R&D, technology, economic and social welfare.				
8.Week	*Relationship between science, project, R&D, technology, economic and social welfare.				
9.Week	*Possible risks, risk management and performance in R&D and project studies.				
10.Week	*Possible risks, risk management and performance in R&D and project studies.				
11.Week	*Possible risks, risk management and performance in R&D and project studies.				
12.Week	*Examination, examination and analysis of national and domestic projects and R&D work examples.				
13.Week	*Examination, examination and analysis of national and domestic projects and R&D work examples.				
14.Week	*Examination, examination and analysis of national and domestic projects and R&D work examples.				

Assesment Methods %

1 Mid Term Exam 1 : 40.000

2 Final : 60.000

ECTS Workload

Activities	Count	Time(Hour)	Sum of Workload
Vize	1	2.00	2.00
Final	1	2.00	2.00
Individual study before lecture	14	2.00	28.00
Individual study after lecture	14	2.00	28.00
		Total :	60.00
		Sum of Workload / 30 (Hour) :	2
		ECTS :	2.00

Program And OutcomeRelation

	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	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22	P.O. 23	P.O. 24
L.O. 1	4	4	3	4	5	4	5	5	4	4	3	3	4	4	4	4	0	4	4	5	4	5	5	4
L.O. 2	4	3	3	3	4	4	4	4	3	3	3	4	3	4	4	4	0	4	3	4	4	4	4	3
L.O. 3	4	3	4	3	3	3	4	4	4	3	4	5	4	5	5	4	0	4	3	3	3	4	4	4
L.O. 4	5	5	4	4	4	5	4	4	4	4	3	4	5	5	3	5	0	5	4	4	5	4	4	4
L.O. 5	5	4	4	4	4	5	5	3	4	5	4	4	4	5	5	5	0	3	4	4	5	5	3	4

Ders/Program Çıktıları İlişkisi

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	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22	P.O. 23	P.O. 24	P.O. 2
4	4	4	4	4	4	4	4	4	4	3	4	4	5	4	4	4	4	4	4	4	4	4	4	4