Fizik Bölümü / PHYSICS /											
Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS					
FZK-3042	Invention and Patents	3.00	0.00	0.00	3.00	6.00					
Course Detail											
Course Language	: Turkish										
Qualification Degree	: Bachelor										
Course Type	: Optional										
Preconditions	: Not										
Objectives of the Course	: It contains basic information about how to invent and patent concept.										
Course Contents	: What is the concept of entrepreneurship and types of entrepreneurshipSetting up sciences. Includes information about the concept of patent and its receipt.	What is the concept of entrepreneurship and types of entrepreneurshipSetting up and leading a business model. What is the invention. Inventions in basic sciences. Includes information about the concept of patent and its receipt.									
Recommended or Require Reading	ed : Siz De Buluş Yapabilirsiniz Patent El Kitabı - M. Kaan Dericioğlu.2019. Patent Ha 461 Syf.	: Siz De Buluş Yapabilirsiniz Patent El Kitabı - M. Kaan Dericioğlu.2019. Patent Hakkının Sınırları ve İstisnaları Dr. Başak Özkök Gökmen Eylül 2020 1. Baskı / 461 Syf.									
Planned Learning Activiti Teaching Methods	es and : Lecture homework application										
Recommended Optional Programme Components	: Current research topics for student.										
Instructors	: Prof. Dr. Caner Çiçek										
Instructor's Assistants	: No										
Presentation Of Course	: Face to face										

Course Outcomes

Upon the completion of this course a student :

- 1 Learns the concept of entrepreneurship. Knows the types of entrepreneurship. New ideas are evaluated
- $2\,Learns \ the \ definition \ of \ business \ model. \ Recognizes \ entrepreneurs hip \ and \ business \ model. \ Knows \ the \ concept \ of \ new \ invention.$
- 3 Knows the concept of patent. Learns how to get a patent. Knows how to establish and terminate a business.

Preconditions

Course Code Course Name Teorical Practice Laboratory Credits ECTS

Weekly Contents										
	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods					
1.Week	*What is the concept of entrepreneurship.									
2.Week	*Look at the types of entrepreneurship.									
3.Week	*Economic foundations of entrepreneurship.									
4.Week	*Social and Cultural Foundations of Entrepreneurship.									
5.Week	*What is the business model?									
6.Week	*Processes of entrepreneurship and the concept of job description									
7.Week	*Exam									
8.Week	*Entrepreneurship design									
9.Week	*What is a new invention. A sample invention study in basic sciences.									
10.Week	*The concept of entrepreneurship climate									
11.Week	*How to get a patent. Explanations with examples.									
12.Week	*What is a patent. Legal definition and idea.									
13.Week	*Establishing a business and definition of Technopolis.									
14.Week	*Ending entrepreneurship.									

Assesment Methods %

1 Mid Term Exam 1 : 40.000

2 Final : 60.000

ECTS	Workload

ESTS WORKS			
Activities	Count	Time(Hour)	Sum of Workload
Vize	1	3.00	3.00

Activities	Count	Time(Hour)	Sum of Workload				
Final	1	3.00	3.00				
Individual study before lecture	14	3.00	42.00				
Individual study after lecture	14	3.00	42.00				
Preparation for midterm	1	18.00	18.00				
Preparation for final	1	20.00	20.00				
Attending lectures	14	3.00	42.00				
		Total	: 170.00				
	Sum of Workload / 30 (Hour): 6						
		ECTS	: 6.00				

Program .	And O	utcomel	Relation

	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	2	2	2	1	3	3	3	3	2	2	1	2	3	1	1	0	0	0	0	0	0	0	0	0
L.O. 2	3	1	3	2	2	2	2	3	3	3	3	3	1	3	3	0	0	0	0	0	0	0	0	0
L.O. 3	3	3	1	3	3	1	1	1	3	2	3	3	2	3	3	0	0	0	0	0	0	0	0	0
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