APPLIED PROBLEM SOLVING PROJECTS

1	Course Title:	APPLIED PROBLEM SOLVING PROJECTS
2	Course Code:	SIN5126
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. MIZRAP BULUNUZ
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	Prof. Dr. Mızrap Bulunuz mizrap@uludag.edu.tr Bursa Uludağ Üniversitesi, Eğitim Fak. Temel Eğitim Bölümü, Sınıf Öğretmenliği Anabilim Dalı, E Blok Görükle / BURSA İş Tel: 0 224 294 2279
17	Website:	
18	Objective of the Course:	The aim of this course is To introduce master students to different types of projects in the field of Classroom Education and to teach them how to teach different types of projects. To make them write a project proposal.
19	Contribution of the Course to Professional Development:	A master student will be able to write a complete project proposal at the end of the semester. Students will be able to recognize different project examples in this field and have information about the formats of different types of projects.
20	Learning Outcomes:	
	1	What is project-based learning? Being able to have information.
	2	To have knowledge about the basic philosophy and history of project-based learningjavascript:__doPostBack ('dgDersler$ctl02$DersTeoriKredi',').
	3	To be able to find, read, understand and discuss original scientific publications about project-based learning in the world and in our country.
	4	To be able to find, read, understand and discuss the examples of master dissertations about project-based learning that have been made in the world and in our country.
	5	Reading, understanding, and criticizing samples of projects (accepted / rejected) written in TÜBİTAK 1001, 4004, 4005, BAP category
	6	To be able to determine a correct project topic. To be able to identify how this topic can be written in a project format.

	7	Being able to choose a project from the types of projects whose examples are discussed in the course and write a draft project proposal related to the project subject they have determined,
	8	To be able to present the final version of the project proposal draft they have written to the instructors and other students in the course.
	9	
	10	

21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Informing about the course content, process and assignments	
2	Introduction to project-based learning.	
3	When did the basic philosophy of project-based learning emerged in the world? Its history.	
4	Paper presentation-Discussion	
5	Paper presentation-Discussion	
6	Examination of TÜBİTAK 1010 Project sample	
7	Examination of TÜBİTAK 1001 Project sample	
8	TÜBİTAK 4004-4005 Examination of project examples	
9	BAP Rapid Support and examination of R&D project examples	
10	How is a correct project topic determined?	
11	The students share and discuss the project topics they have determined with the instructor and other students.	
12	I. Presentation of project proposal drafts	
13	II. Presentation of project proposal drafts	
14	Presentation of the final versions of the project proposal drafts • General evaluation of the course.	

22	Textbooks, References and/or Other Materials:	PROJECTS: 1. TÜBİTAK (111K162 / EVRENA Projesi) Sınıf öğretmeni yetiştirme programları için iyi öğretmenlik uygulamaları: Klinik danışmanlık modeli / Uludağ Üniversitesi-Georgia State University/ (Eylül 2011-Mart 2015) 2. TÜBİTAK (114K738 /1001 Projesi) Okulda Gürültü Kirliliği: Nedenleri, Etkileri ve Kontrol Edilmesi / Uludağ Üniversitesi /(Nisan 2014-Nisan 2017) 3. BAB Hızlı Destek projesi (HDP(E)-2016/11): ”Topluma Hizmet Uygulamaları Dersi Kapsamında Okulda Gürültü Kirliliğinin Kontrol Edilmesine Yönelik Geliştirilen Eğitim Programı ve Uygulamaların Yaygınlaştırılması” (07.03.2016; 19.10.2016) 4. AR-GE Projesi: Akustik İyileştirme ve Sükunetli Okul Kültürü Eğitim Uygulamalarının Okulda Gürültü Kirliliğinin Kontrol Edilmesine Etkisinin Değerlendirilmesi: Uludağ Üniversitesi ve Antalya Sanayici ve İşadamları Derneği (ANSİAD) İşbirliği Projesi / Uludağ Üniversitesi- Antalya Sanayici ve İşadamları Derneği (ANSİAD) (Aralık 2016) Journal Articles: 1. Korkmaz, H., & Kaptan, F. (2001). Fen eğitiminde proje tabanlı öğrenme yaklaşımı. Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, 20(20), 193-200. 2. Dede, Y., & Yaman, S. (2003). Fen ve matematik eğitiminde proje çalışmalarının yeri, önemi ve değerlendirilmesi. Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi, 23(1), 117-132. 3. Civelekoğlu, M. Ş., & Öztürk, Ş. (2010). İlköğretim fen ve teknoloji dersinde proje tabanlı öğrenme (PTÖ) yönteminin uygulanması ile ilgili öğretmen ve öğrenci görüşleri. İlköğretim Online, 9(3), 1189-1200.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	2	40.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		In this course, students will be given an article presentation, They will make a project proposal draft presentation. There will also be an open-ended final exam at the end of the semester. Formative evaluation will be used for article presentation and project proposal draft assignments. Open-ended exam will be evaluated using rubrics.

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	2	25.00	50.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	14.00	14.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	1	2	5	5	2	3	0	0	0	0	0	0	0	0	0	0
ÖK2	1	2	5	5	1	3	0	0	0	0	0	0	0	0	0	0
ÖK3	2	3	1	3	3	4	0	0	0	0	0	0	0	0	0	0
ÖK4	1	0	4	0	3	2	0	0	0	0	0	0	0	0	0	0
ÖK5	1	2	4	5	3	4	0	0	0	0	0	0	0	0	0	0
ÖK6	2	2	3	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK7	3	1	3	1	1	1	0	0	0	0	0	0	0	0	0	0
ÖK8	3	3	4	5	2	2	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**