	RESEARCH TECHNIQ		AND PUBLICATION ETHICS IN YSICS						
1	Course Title:	RESEARCH TECHNIQUES AND PUBLICATION ETHICS IN PHYSICS							
2	Course Code:	FEN5000)						
3	Type of Course:	Compuls	ory						
4	Level of Course:	Second (Cycle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	2.00							
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 f	ace						
14	Course Coordinator:	Prof. Dr.	AHMET CENGİZ						
15	Course Lecturers:	Prof. Dr. Ahmet CENGİZ Prof. Dr. Mürsel ALPER							
16	Contact information of the Course Coordinator:	Prof. Dr. Ahmet CENGİZ B. U. Ü. Fen-Edebiyat Fakültesi Fizik Bölümü 16059 Görükle Bursa email: acengiz@uludag.edu.tr Tel: 0224 2941695							
17	Website:								
18	Objective of the Course:	To give how to do research, important points of research and especially tips for publishing articles. Knowing and applying the ethical rules							
19	Contribution of the Course to Professional Development:	Determines the research topic, knows how to search the literature. The research determines the theory and model. Knows how to analyze outcomes. Knows science and publishing ethics.							
20	Learning Outcomes:								
		1	Knows the meaning of research						
		2	Knows the research methods						
		3	Writes the research as a report and thesis						
		4	Prepares articles from the research						
		5	Prepares the article according to IMRAD rules						
		6	Knows what should be written in the abstract						
		7	Knows the tips of what should be written in the introduction of the article						
		8	Knows what should be explained in the main body of the article						
		9	Knows to present the Results and Discussion						
_		10	Knows ethical rules, rights, permissions						
21	Course Content:								
10.	T. C. 1	Со	ourse Content:						
	Theoretical		Practice						
1	Science and Scientific Knowledge Purposes and Types of Scientific I Planning the Research								

_	l. =								
2	 Research Methods 1.1 Experimental Research Method 	le							
	4.2 Field Studies	13							
	4.3 Introductory Studies								
3	4.4 Statistical Research5. Data Types and Data Collection M	ethods							
		etrious							
	6. Data Arrangement and Analysis								
5	7. Writing a Report / Thesis 7.1 Parts of the Research								
	7.2 Rules for Reference and Footne								
	7.3 Text / Information Transfers an Values	d Ethical							
	7.4 Table Figures and Graphics								
	7.5 Effective Writing and Spelling F	Rules							
	7.6 Punctuation Marks 7.7 Words that must be written								
	contiguously								
6	8. Article Preparation								
	8.1 Submitting Article Title 8.2 Order of Author's Names and A	ddress							
	Representation	darcoo							
	8.3 Abstract Writing IMRAD Rules 8.4 Writing the Introduction and High	pliabto							
7	8.5 Writing Material, Experiment, The								
	Method, Important Points and Ethical								
8	8.6 Writing the Results and Discussion	n							
9	8.7 References, Citation and Ethical	Values	L						
Activit	es			Number	Duration (hour)				
						Load (hour)			
Theore	ical – J. C. C. C. C. C. C. C. C. C. C. C. C. C.		F	14	2.00	28.00			
	ical To. Evaluation of Referee Reports als/Labs		_	0		0.00			
			F	14	1.00	14.00			
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	13. Publication Scan and Highlights			0	0.00	0.00			
Field St				0	0.00	0.00			
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Others			حُل	0	0.00	0.00			
	lama		3	<u> </u>					
Final E			13	HATEX IIE DOKUMAN I	<u>κ</u> ίθθαιτία, Dr. Ogle	-			
	/ork Load		14	I ATEVIZIII ANADAI	Z DİLİMOTL MAKA	60.00			
	ork load/ 30 hr		4 ப	LATEX KULLANARAI	CINECEN Motobo	MAKINACI			
ECTS (Credit of the Course		<i> </i>	https://www.taxatual	Ora	2.00			
			5. https://www.texstudio.org						
23	Assesment								
TERM L	EARNING ACTIVITIES	NUMBE R	W	/EIGHT					
Midtern	n Exam	0	0.00						
Quiz		0	0.00						
Home v	work-project	0	0.00						
Final E	xam	1	100.00						
Total		1	100.00						
	oution of Term (Year) Learning Activities Grade	es to	0.00						
Contrib	ution of Final Exam to Success Grade)	1	00.00					
			-						

Course	
Measurement and Evaluation Techniques Used in the Course	The system of relative evaluation is applied.
Total	100.00

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	4	5	4	5	4	5	5	4	0	0	0	0	0	0
ÖK2	4	5	5	4	5	4	5	4	5	5	0	0	0	0	0	0
ÖK3	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
ÖK4	4	5	4	5	4	5	4	4	4	5	0	0	0	0	0	0
ÖK5	5	5	4	5	5	5	5	5	5	5	0	0	0	0	0	0
ÖK6	5	4	5	4	5	4	4	4	5	4	0	0	0	0	0	0
ÖK7	5	5	4	5	4	5	5	5	5	5	0	0	0	0	0	0
ÖK8	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
ÖK9	4	4	5	5	4	4	5	5	4	4	0	0	0	0	0	0
ÖK10	5	5	4	4	4	4	5	5	5	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				