		ASTR	RONOMY								
1	Course Title:	ASTRON	NOMY								
2	Course Code:	FEN3305									
3	Type of Course:	Compuls	sory								
4	Level of Course:	First Cyc	sle								
5	Year of Study:	3									
6	Semester:	5									
7	ECTS Credits Allocated:	3.00	3.00								
8	Theoretical (hour/week):	2.00	.00								
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	-									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	face								
14	Course Coordinator:	Doç. Dr.	NURCAN KAHRAMAN								
15	Course Lecturers:	Prof. Dr.	Salih Çepni								
16	Contact information of the Course Coordinator: Bursa Uludağ Üniversitesi, Eğitim Fak. Matematik ve Fen Bilimleri Eğitimi Bölümü,										
17	Website:										
18	Objective of the Course:	This course aims to teach basic astronomy concepts to pre-service science teachers. In the course, following subjects will be discussed: astronomy and science, celestial bodies and space technologies.									
19	Contribution of the Course to Professional Development:	ontribution of the Course to rofessional Development: This course related to students' content knowledge that is a sub tit of "teacher proffessional knowledge". It will contribute to students' knowledge about astronomy.									
20	Learning Outcomes:										
		1	Gives an example from the history of astronomy.								
		2	Explains the relationship between physics and astronomy.								
		3	Solves problems about the the law of gravitation.								
		4	Explains the seasons.								
		5	Makes a model of moon's phases.								
		6	Explains the solar system.								
		7	Compares the planets in terms of their properities.								
		8	Defines meteor, comet, dwarf planet and explains their properties.								
		9	Compares the star types in terms of their physical properties.								
		10									
21	Course Content:										
		Co	ourse Content:								
Week	Theoretical	Practice									

1	Disc	ussir	ng abo	out the	cour	se con	tent											
2	Scie	nce,	Astro	nomy	and H	listory												
3	Tool	s use	ed in a	astron	omy													
4	The	law o	of grav	vitatio	า													
5	Sola	ır sys	stem															
6	Eart	h-Su	n-Moo	on														
7	Eart	h-Su	n-Moo	on (co	ntinue	e)												
8	Stars																	
9	Galaxies																	
10	Univ	erse	mode	els and	the b	oig ban	g											
11	Space technologies																	
12	Astr	onom	ny and	d Astro	logy	compa	rison											
13	Misc	conce	eption	s in as	trono	my												
14	Eval	uatio	on of tl	he Co	urse													
22	22 Textbooks References and/or Other										MA (2	201 <u>9)</u> A	stronor			ademi		
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Others	Others									0					0.00			
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Total W	Total Work Load														88.00			
Total work load/ 30 hr																	2.93	
ECTS (	ECTS Credit of the Course									3.00								
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ÖK7	5	4	1	4	4	2	2	1	4	4	3	1	1	1	1	1	
ÖK8	5	4	1	4	4	2	2	1	4	4	3	1	1	1	1	1	
ÖK9	5	4	1	4	4	2	2	1	4	4	3	1	1	1	1	1	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			