	NUCLEIC ACIDS A		UCLEOTIDE METABOLISM							
1	Course Title:	NUCLEI	C ACIDS AND NUCLEOTIDE METABOLISM							
2	Course Code:	VBK6025								
3	Type of Course:	Optional								
4	Level of Course:	Third Cy	cle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
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.	SAİME GÜZEL							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	saime@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	The aim of this course is to have knowledge about nucleotides and metabolic pathways affected by nucleotides, diseases related to nucleotides.								
19	Contribution of the Course to Professional Development:	Understanding the metabolism of nucleic acids and interpreting related metabolic diseases								
20	Learning Outcomes:									
		1	To be able to define the building blocks of nucleic acids							
		2	To be able to explain the nucleotide synthesis mechanisms							
		3	To be able to draw nucleotide degradation pathways							
		4	To be able to analyze nucleotide metabolism disorders							
		5	To be able to interpret the current literature on the subject							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	urse Content:							
Week	Theoretical		Practice							
1	Nucleoside-Nucleotide structure,									

2	Structure of Nucleic Acids									
3	Digestion of nucleic acids									
4	Purine biosynthesis									
5	Regulation of purine biosynthesis									
6	Purine catabolism									
7	Pyrimidine biosynthesis									
8	Regulation of pyrimidine biosynthesis	3								
9	Pyrimidine catabolism									
10	Polynucleotides (DNA-RNA)									
11	Synthesis of deoxyribonucleotides									
12	Inhibition of the synthesis of Purine a Pyrimidine nucleotides	nd								
13	Nucleotide metabolism disorders									
Activit	es		1	Number	Total Work Load (hour)					
Theore	Indalterials:		eď	1tilon,2010.	3.00	42.00				
Practica	als/Labs		. (0	0.00	0.00				
Self stu	dy and preperation		Be	adhemistry. Fifth editio	9,0008.	70.00				
Homew	vorks		(0	0.00					
Project	8		J.(J.Kennelly, Victor Rodweller, Anthony Welergers						
Field St	tudies		(0.00	0.00				
Midtern	n exams		Lippincott's Illustrated Raviews: Biochemistry, Pamela							
Others			0	0	0.00					
Final E	kams		Ma Mi	rks Basic Medical Bio chael Lieberman Allar	pehemistry; a clinica D Marks 2009	l <mark>4ар</mark> дroach,				
Total W	/ork Load					152.00				
T 023 ₩	oAtasleadd/e310 hr					5.07				
ECTS (Credit of the Course	I.				5.00				
Midtern	n Exam	0.0	00							
Quiz		0	0.0	00						
Home work-project 0				0.00						
Final Exam 1				100.00						
Total 1				100.00						
	ution of Term (Year) Learning Activitie s Grade	es to	0.0	0.00						
Contrib	ution of Final Exam to Success Grade	Э	100.00							
Total			100.00							
Measur Course		sed in the	the	Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.						

24 EC	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	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	4	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	3	2	4	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution			2 low		3 Medium			4 High			5 Very High				