ECTS COURSE DESCRIPTION FORM															
0	PART I (Senate Approval)					Offering Department Department of Nutrition and District									
Offering School	Antalya Bilii	atalya Bilim University - Faculty of Health Sciences						ring Department Department of Nutrition and Dietetics							
Program(s) Offered to	Department of	partment of Nutrition and Dietetics]			
Course Name	Medical Biol	logy And Genetics	Course	ode.	BES106]						
Level of Course	Undergraduat	te		Type of 0	Type of Course Compulsory										
Language of Instruction	Turkish	ash						ECTS Credits 3							
W W I	Lecture: 3 Practical:					Studio:									
Hours per week	Laboratory:		Recitation:						Other:						
Pre-requisites None						Co-requisites None									
Registration Restriction	None					Grading	Grading Mode Letter Grade								
Educational Objective	To train stud	ents who have knowl	edge in molecular biology, cell biology a	nd molecula	r genetics	and can ada	an adapt their knowledge to nutrition and dietetics.								
System of living things, biomolecules, cell structure and functions, energy metabolism, quality of genetic material synthesis and function, genetic code and protein synthesis. basic principles of heredity and Mendelian inheritance i								 ial, DNA packaging and structure of chromosome, RNA structure, e in single gene diseases in humans, cell cycle and cell division, 							
	mutation, nu	Initiation, nutritional genes and importance of biotechnological products LO1 Comprehend the structure of the cell, its organelles and the relationships between cells													
	LOI LO2	Comprehend the stru Learns the structural	cture of the cell, its organelles and the rela l properties, packaging, organization and	¹³ m of DNA, which is the genetic material. Learns the structure and function of RNA.											
	LO3	Understands the gene	etic code, information flow and the importa	mechanisms for the cell.											
Learning Outcomes	LO4	Comprehends the types and characteristics of human inheritance patterns.													
	L05	Comprehends the characteristics and importance of changes in DNA.													
	LOO Orderstands the importance of genetics in nutritional disorders and the creation of blotechnological products.														
		I	PART II (Faculty	Board Aj	oproval)										
	POI	Ability to communica	Program Outcomes ate effectively with oral, written and visual	methods, re	port	LO1	LO2	LO3	LO4	LO5	LO6	LO7			
	PO1	writing and presenta	tion.	v and multi	•	Ý	~	V	~	×	~				
	PO2	disciplinary teams. Awareness of the nec						4							
Basic Outcomes (University-wide)	PO3	to follow development	v	Ý	×	~	Ý	×							
	PO5	management, entrepr Awareness about sec													
	PO6	Awareness of profess													
	PO7	To have universal th	~		~	~	~	~							
Faculty Specific															
Outcomes	PO8	To be committed to academic and ethical values,						~	<u> </u>	~					
	PO9	To provide qualified information and tech	~	~	~	~	~	~							
	PO10	and graduate educat	~	~	~	~	~	~							
	PO11	the services provided	~			~		~							
	PO12	To contribute and de	~												
	PO13	main lines and relates													
	PO14	Applies Nutrition and knowledge by associa													
	PO15	Plans and implements													
Program Specific	PO16	Records and archives													
Outcomes	PO17	Plans, conducts and p													
	PO18	Has effective communication skills					✓	✓	√	~	~				
	PO19	Defines professional duties and responsibilities legally and applies them within the						÷							
	PO20	framework of ethical principles. Has lifelong learning skills related to the profession				~	√	~	√	√	~				
	PO21	Can use foreign language effectively to follow professional developments													
	PON	Knows and applies quality, occupational health and safety issues related to the													
	1022	profession													
	PART III (Department Board Appre				Approv	val)	1.02	1.02	1.04	1.05	10(1.07			
	Subject Week Details of Course Contents \$1 1 Cell Structure and Functions			LUI	LU2	LU3	LU4	LU5	LU6	LU7					
				01-04	01-04	D1-D4	U1-D4	J1-04	01-04						
	<u>82</u>	2	Cell Organization			D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4				
	83	3	Genetic Information: DNA Structure, Replication	Function	and	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4				

	84	4 Genome Organization: Chromosome Structure			and Chromatin	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
Course Contents, Contribution of Course Contents to Learning Outcomes, and Methods for	85	5	RNA: Structure and Function			D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	86	6	Genetic In	formation Flow		D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
Assessing Learning of Course Contents	S 7	7	Cell Cycle	and Division		D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	S8	8	Midterm			D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	89	9	Basic Prine	ciples of Inheritance		D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	S10	10	Genetic Va	riation and Phenotypic Effe	ects	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	\$11	11	Nutritiona	I Genomics		D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	S12	12	Molecular	Basis of Nutrition-Associate	ed Diseases	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	\$13	13	Biotech Pr	oducts		D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	S14	14	An overvie	w		D1-D4	D1-D4	D1-D4	D1-D4	D1-D4	D1-D4		
	No		Тур	e	Weight	Impl	ementation	Rule		Make-U	p Rule		
	A1	Exam-Final Jury, Final Project			60%	Exams are held with books and notes closed.			A make-up exam is given when a medical report or assignment letter is brought in accordance with the university procedure.				
	A2 A3	Quiz Homework											
Assessment Methods, Weights in Grading Scheme, Implementation and Make-Up Rules	A4	Midterm			40%	Exams are held with books and notes closed.			A make report accorda	A make-up exam is given when a medical report or assignment letter is brought in accordance with the university procedure.			
	A5	Project											
	A6 A7	Presentation Attendence/Interaction											
	A8	Class/Lab./											
	A9	Others	TOTAL		100%				I				
Evidence of Achievement of	At least one o	uestion from each sub	ject is asked	during the exams. A weighted av	verage is calculated for	or each studen	it based on t	ne percentag	e of each ass	essment metho	d. Students a	are required	
Learning Outcomes	to collect a m	Direct Conversion Sv), which is an stem ("DDS" i	nounced by the instructor, to pa n the regulation.)	iss the course. This so	core is determ Rel	ined based o ative Evalua	n class avera tion ("BDS"	ige. in the regula	ation.)			
	A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below)											1	
	Succe	ss Grade F	Letter Success	s Note Su	iccess	Coeff 4	icient	Suc	Successful				
	95-100 A				4			Successful					
Method for Determining		80-84 B+				3,7				Successful			
Letter Grade		75-79 65-74		B-B-		3 2,7				Succ	essful essful		
		60-64 C + 55-59 C		C +		2,3			Successful Successful				
		50-54 C				1,7			Pass				
		45-49 D- 40-44 D				1,3 1				Unsuc	cessfu	u u	
	No	O-39 F				O Explanation				Total Hours			
	No Method Explanation Total Hours Time expected to be allocated by instructor												
	1	Lecture				14 weeks x 2 lessons x 1 hour				42			
	2	Interactive Lecture											
	3 4	Laboratory											
	5	Practical											
Teaching Methods, Student	6	Field Work Time expected to be allocated by student											
Work Load	7 Project												
	8	Homework	of Course 3							14			
	10	Review of Course N	naterial						14				
	11	Studio						4.1.41					
	12	Office Hour		1 hour per week is reserved for a questions.			students'						
		Calculated ECTS C	Credit(s)	Max.	DI	Min.		Gran	d Total		70		
	Name Surn	ame		IV. PA	AK I								
	E-mail												
Instructor	Phone Number Office Number												
	Office Hour	5											
Course Materials	Mandatory												
	Recommend	led											
	Scholastic H	Ionesty	Violations of schol information or citat examinations, subr instructor, or tamp serious academic v.	normation or sationatic honesty increase, our are not infinite to undating, pingiarizing, inorrealing information or citations, facilitating acts of dishonesty by others, having unauthorized possession of xaminations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a errious academic violation and will result in a disciplinary action. It is explained in Article 25 of the Directive on Associate and Undergraduate Programs of Acatlan Billing University.									
ouler	Students with Disabilities				Directive on Assoc	iate and Und	ergraduate D	rograms of	Antalya Ril	im University			
	Students wi	th Disabilities			Directive on Assoc Reasonable accomm	iate and Und nodations wi	ergraduate F 11 be made :	rograms of for students	Antalya Bil with verifia	im University ble disabilitie	s.		

 	_		
		Circumstances may arise during the course that prevents the instructor fro	m fulfilling each and every
Flexibility		component of this syllabus; therefore, the syllabus is subject to change.	Students will be notified prior
	1	to any changes.	