Course Syllabus

Code - Course Title	**BDY203 - Nutritional Biochemistry I**
Course Type	III. SEMESTER
Laboratory + Practice	3+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. ŞÜKRÜ BEYDEMİR

Mode of Delivery	This course will only face-to-face training.
Recommended Resources	Lippincott Biyokimya,Biochemical, Physiological and Molecular Aspects of Human Nutrition, M.H. Stipanuk, M.A. Caudill Modern Nutrition in Health and Disease, M.E. Shils,Metabolic Regulation, A Human Perspective, K.N. Frayn.
Work Placement	Not Applicable.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic concepts-Metabolic control and introduction to metabolism	
Week - 2		Carbohydrates-I	
Week - 3		Carbohydrates-II	
Week - 4		Carbohydrates- III	
Week - 5		Lipids -I	
Week - 6		Lipids-II	
Week - 7		Lipids-III	
Week - 8		Lipids-IV	
Week - 9		Proteins -I	
Week - 10		Proteins -II	
Week - 11		Proteins -III	
Week - 12		Regulation of nutrient intake and energy metabolism	
Week - 13		Metabolic Integration	
Week - 14		Clinical Biochemistry	

Learning Outcomes

#	Learning Outcome
1	It studies the chemical makeup of living organisms and the chemical events that occur during their lifetime.
2	Homeostatic mechanisms in biological systems are learned.
3	Information is obtained on how carbohydrates, lipids and proteins are metabolized, how they are taken up and utilized by cells, ways of conversion to energy, use of energy and integration steps of macronutrients.
4	Examines the synthesis, degradation and functions of nucleic acids, which are the basis of life.
5	Provides information on various nutritional anomalies and underlying metabolic disorders.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	40
Final Exam	1	60
	Sum (%)	**100**