PHARMACEUTICAL BIOTECHNOLOGY

Week	Lesson	Subject	Lecturer
1.Week*	1. lesson	R-DNA Technology and Expression of Genes in Prokaryotic and Eukaryotic Cells I	Prof. Dr. Çağla Bozkurt Güzel
	2. lesson	R-DNA Technology and Expression of Genes in Prokaryotic and Eukaryotic Cells II	Prof. Dr. Çağla Bozkurt Güzel
2.Week*	1. lesson	Cell Culture	Prof. Dr. Çağla Bozkurt Güzel
	2. lesson	Recombinant Biopharmaceuticals I: Monoclonal Antibodies, Vaccines, Adjuvants and Cytokines	Prof. Dr. Çağla Bozkurt Güzel
3.Week*	1. lesson	Recombinant Biopharmaceuticals I: Monoclonal Antibodies, Vaccines, Adjuvants and Cytokines (Continued)	Prof. Dr. Çağla Bozkurt Güzel
	2. lesson	Recombinant Biopharmaceuticals I: Fermentation Technology	Prof. Dr. Çağla Bozkurt Güzel
4.Week*	1. lesson	Recombinant Biopharmaceuticals II: Insulin, Therapeutic Hormones, Therapeutic Enzymes, Coagulation Factors etc.	Prof. Dr. Pınar Aksoy Sağırlı
	2. lesson	Recombinant Biopharmaceuticals II: Insulin, Therapeutic Hormones, Therapeutic Enzymes, Coagulation Factors etc. (continued)	Prof. Dr. Pınar Aksoy Sağırlı
5.Week*	1. lesson	Purification and Characterization of Proteins - I	Prof. Dr. Pınar Aksoy Sağırlı
	2. lesson	Purification and Characterization of Proteins - II	Prof. Dr. Pınar Aksoy Sağırlı
6.Week*	1. lesson	Plant-Derived Biopharmaceuticals - I	Prof. Dr. Aynur Sarı
	2. lesson	Plant-Derived Biopharmaceuticals - II	Prof. Dr. Aynur Sarı
7.Week*	1. lesson	Stability of Peptides and Proteins - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Stability of Peptides and Proteins - II	Assist. Prof. Dr. Melike Sessevmez
Midterms			
8.Week*	1. lesson	Vaccine Adjuvants and Delivery Systems - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Vaccine Adjuvants and Delivery Systems - II	Assist. Prof. Dr. Melike Sessevmez
9.Week*	1. lesson	The Concept of Biosimilars and Biosimilar Products - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	The Concept of Biosimilars and Biosimilar Products - II	Assist. Prof. Dr. Melike Sessevmez
10.Week*	1. lesson	Formulation of Peptides and Proteins - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Formulation of Peptides and Proteins - II	Assist. Prof. Dr. Melike Sessevmez
11.Week*	1. lesson	Industrial Production of Peptides and Proteins - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Industrial Production of Peptides and Proteins - II	Assist. Prof. Dr. Melike Sessevmez
12.Week*	1. lesson	Blood Products - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Blood Products - II	Assist. Prof. Dr. Melike Sessevmez
13.Week*	1. lesson	Advanced Therapy Medicinal Products: Gene Therapy and Gene Carrier Systems - I	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Advanced Therapy Medicinal Products: Gene Therapy and Gene Carrier Systems - II	Assist. Prof. Dr. Melike Sessevmez

14.Week*	1. lesson	Examples of Biotechnological Products	Assist. Prof. Dr. Melike Sessevmez
	2. lesson	Examples of Biotechnological Products (continued)	Assist. Prof. Dr. Melike Sessevmez

***Lecture duration: 40 min.**