Microbiological Applications in Pharmaceutical and Cosmetic Industry

Week	Lesson	Subject	Lecturer
1. Week*	1. lesson	Drug-microorganism Relationship, Microbiological Classification	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	Drug-microorganism Relationship, Microbiological Classification	Prof. Dr. A.Seher Birteksöz Tan
2. Week*	1. lesson	The Importance of Microorganism Contamination in Pharmaceutical Preparations and Microbial Contaminants Detected in Pharmaceutical Products	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	The Importance of Microorganism Contamination in Pharmaceutical Preparations and Microbial Contaminants Detected in Pharmaceutical Products	Prof. Dr. A.Seher Birteksöz Tan
3. Week*	1. lesson	Sources of Microbial Contamination	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	Sources of Microbial Contamination	Prof. Dr. A.Seher Birteksöz Tan
4. Week*	1. lesson	Sterile, Clean, and Aseptic Areas and Their Contamination Controls, GMP, GLP	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	Sterile, Clean, and Aseptic Areas and Their Contamination Controls, GMP, GLP	Prof. Dr. A.Seher Birteksöz Tan
5. Week*	1. lesson	Microbiological Classification of Pharmaceutical Preparations	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	Microbiological Classification of Pharmaceutical Preparations	Prof. Dr. A.Seher Birteksöz Tan
6. Week*	1. lesson	Quality Control Tests for Sterile Products, Quality Control Tests for Non-Sterile Products	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	Quality Control Tests for Sterile Products, Quality Control Tests for Non-Sterile Products	Prof. Dr. A.Seher Birteksöz Tan
7. Week*	1. lesson	Quantity and Activity Determinations in Pharmaceutical Products, Rapid Microbiological Diagnostic Methods	Prof. Dr. A.Seher Birteksöz Tan
	2. lesson	Quantity and Activity Determinations in Pharmaceutical Products, Rapid Microbiological Diagnostic Methods	Prof. Dr. A.Seher Birteksöz Tan
Midterms			
8. Week *	1. lesson	What Are Cosmetics, the Importance of Microbial Contamination, History	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	What Are Cosmetics, the Importance of Microbial Contamination, History	Assoc. Prof. Dr. Mayram Hacıoğlu
9. Week *	1. lesson	Microbial Contaminants Frequently Detected in Cosmetic Products and Their Effects On The Product	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	Microbial Contaminants Frequently Detected in Cosmetic Products and Their Effects On The Product	Assoc. Prof. Dr. Mayram Hacıoğlu
10. Week*	1. lesson	Microbial Contamination Tests in Cosmetics	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	Microbial Contamination Tests in Cosmetics	Assoc. Prof. Dr. Mayram Hacıoğlu
11. Week*	1. lesson	Preservatives - 1	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	Preservatives - 1	Assoc. Prof. Dr. Mayram Hacıoğlu
12. Week*	1. lesson	Preservatives - 2	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	Preservatives - 2	Assoc. Prof. Dr. Mayram Hacıoğlu

13. Week*	1. lesson	Preservative Efficacy Tests	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	Preservative Efficacy Tests	Assoc. Prof. Dr. Mayram Hacıoğlu
14. Week*	1. lesson	Industrial Sterility and Disinfection Methods	Assoc. Prof. Dr. Mayram Hacıoğlu
	2. lesson	Industrial Sterility and Disinfection Methods	Assoc. Prof. Dr. Mayram Hacıoğlu

Duration of lecture: 40 minutes