BIOPHARMACEUTICS AND PHARMACOKINETICS

Weeks	Subject	Lecturer
1. Week*	Introduction to Biopharmaceutics	Prof. Dr. Sevgi Güngör
2. Week*	Dissolution Rate and Its Importance and Biopharmaceutical Classification System	Prof. Dr. Sevgi Güngör
3. Week*	Factors Affecting Drug Dissolution Rate	Prof. Dr. Sevgi Güngör
4. Week*	Assessments of Dissolution Rate of Pharmaceutical Dosage Forms	Prof. Dr. Sevgi Güngör
5. Week*	Official Drug Dissolution and Release Test Methods	Prof. Dr. Sevgi Güngör
6. Week*	Transport Mechanisms of Drugs Across Biological Membranes	Prof. Dr. Sevgi Güngör
7. Week*	Introduction to Pharmacokinetics	Prof. Dr. Sevgi Güngör
Midterms		
8. Week*	Pharmacokinetic Parameters Following i.v. Administration (i.v. Bolus) - I	Prof. Dr. Sevgi Güngör
9. Week*	Pharmacokinetic Parameters i.v. Administration (i.v. Bolus) - II	Prof. Dr. Sevgi Güngör
10. Week*	Pharmacokinetic Parameters i.v. Infusion Administration	Prof. Dr. Sevgi Güngör
11. Week*	Pharmacokinetic Parameters Following Extravascular Administration	Prof. Dr. Sevgi Güngör
12. Week*	Bioavailability and Factors Affecting Bioavailability of Drugs	Prof. Dr. Sevgi Güngör
13. Week*	Bioequivalence Studies and Current Guidelines for Bioequivalence Studies	Prof. Dr. Sevgi Güngör
14. Week*	Design and Evaluation of Bioavailability and Bioequivalence Studies	Prof. Dr. Sevgi Güngör

Duration of lecture: 40 minutes