

PHT 614 (Advanced Pharmacokinetics)

Course Syllabus

Topics	Number of hours
1. Introduction	2
2. Pharmacokinetic Models and Laplace Transform	2
3. Non-Compartmental and Moment Analysis	2
4. Intravenous Infusion	2
5. Pharmacokinetics after multiple dose regimens	2
6. Metabolite Kinetics	1
7. Non-Linear Kinetics	1
8. Drug distribution and plasma protein binding	2
9. Renal clearance	2
10. Hepatic clearance	2
11. Pharmacokinetics in drug development	2
12. Inter-species scaling and population pharmacokinetics	2
13. Pharmacokinetic-pharmacodynamic relationship	2
14. Term paper presentations	2
15. Final Exam	2
Total number of hours	28