

**Principles of drug action**  
**SCPM 502, 2 credits (2-0-4)**  
**Academic Year 2562 (2019)**

**Date:** 9 October 2019 – 15 November 2019

**Time:** Mon, Wed, Fri 09.00-12.00

**Room:** Pr. 501, Department of Pharmacology

Date	Topics	Instructors
9 October Wednesday (9.00-11.00)	L1: Introduction to pharmacodynamics & pharmacokinetics L2: Molecular targets of drug action	PK DP
11 October Friday (9.00-12.00)	L3: Ligand-receptor interaction L4: Dose-effect and concentration-effect analysis <a href="#">Conference 1: pharmacodynamics calculations (1 h)</a>	PT
16 October Wednesday (9.00-12.00)	L5-6: Biotransformation and factors affecting drug biotransformation I and II L7: Drug transporters	PK
18 October Friday (9.00-11.00)	L8: Pharmacogenomics I L9: Pharmacogenomics II	PK
21 October Monday (9.00-11.00)	<b>Examination 1 (L1-9, C1)</b>	
25 October Friday (9.00-12.00)	L10: Pharmacokinetics I L11: Pharmacokinetics II L12: Pharmacokinetics: III	NS
28 October Monday (9.00-12.00)	L13: Effect of liver and kidney diseases on pharmacokinetics L14: Drug dosing regimen	NS
30 October Wednesday (9.00-12.00)	L15: Drug discovery and development (1 h) <a href="#">Conference 2: pharmacokinetics (2 h)</a>	NS
1 November Friday (9.00-11.00)	L16: Physiologically-based pharmacokinetics L17: Individual variation & drug interactions	PK
4 November Monday (9.00-12.00)	<b>Examination 2 (L10-17, C2)</b>	
6 November Wednesday (9.00-11.00)	L18: drug addiction and abuse <a href="#">Conference 3: drug addiction treatment (2 h)</a>	NJ
8 November Thursday (9.00-12.00)	L19: Drug uses in pediatric and geriatric patients L20: Drug uses in pregnancy and lactation	SR
11 November Monday (9.00-12.00)	L21: Adverse drug reactions (ADR) <a href="#">Conference 4: ADR (2 h)</a>	NJ
15 November Friday (9.00-12.00)	<b>Examination 3 (L18-21, C3-4)</b>	

**Summary**

Lectures (L1-21) 21 hours

[Conference 1-4](#) 7 hours

Total time 28 hours