

L3 Pharmacology Generale CM 25hrs, TD/TP 10 hrs TPE 5hrs

1. Introduction to principles of pharmacology (3hrs)
2. Biopharmaceutics
 - a. Drug and dosage form (2hrs)
 - b. Routes of administration and bioavailability (2hrs)
3. Pharmacokinetics (qualitative)
 - a. Drug absorption (2hrs)
 - b. Drug distribution (2hrs)
 - c. Drug metabolism (2hrs)
 - d. Drug Elimination (2hrs)
4. Introduction to clinical pharmacokinetics (4hrs)
5. Dose-response relationships (2hrs)
6. Introduction to Pharmacodynamics (2hrs)
7. The Role of Pharmacology in drug development (2hrs)

TPE/TD 10hrs

Students will be asked to construct a catalogue of drugs in diseases common to Cameroon

List drugs used in Malaria, TB and AIDS

To include the following

Pharmaceutical form, chemical name, generic name and trade name, year of approval

Enzyme responsible for metabolism and major route of administration

Presence of a food/drug effect (Y/N)

Major drug interaction (Y/N)

Country where approved (pioneer or generic drug?)