

# BIOL 221

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**BIOL 221 Pharmacology for Nurses**

3 Credits

This is an introductory course of pharmacology. Students will study the principle of drug interaction. Basic principles of pharmacokinetics and mechanisms of drug action are examined. Specific coverage will include drugs affecting the nervous system such as local anesthetics, muscle relaxants, autonomous nervous system-acting drugs, opioids, sedatives, anti-psychotics and anti-depressants. Compounds altering lipid metabolism, cardiovascular function and inflammatory/allergic reactions are covered. Medications affecting the function of major endocrine systems and chemotherapeutics are introduced. For all these drug groups the mechanism of their action and therapeutic application is studied, including possible side effects, toxicities and drug interaction. (3,0,0), This is an introductory course of pharmacology. Basic principles of pharmacokinetics and mechanisms of drug action are examined. Specific topics will include common drugs and drug classes affecting each of the major organ systems. Therapeutic applications, mechanisms of action, drug interactions, and side effects and toxicities are studied.

**Prerequisites**

BIOL 220

**Transfer Credits**

Explore transfer credit opportunities by visiting the BC Transfer Guide (<http://www.bctransferguide.ca>)

