

Pharmacology Foundations - Course Study Sheet

Course: Pharmacology Foundations Cluster: Health and Nursing Foundations

Studies drug actions, movement through the body, dose-response, interactions, safety, and medication systems.

Five-module course map

Module	Active evidence to produce
1. pharmacokinetics	Explain the central idea, complete an application, diagnose one plausible error, and connect it to the next module.
2. pharmacodynamics	Explain the central idea, complete an application, diagnose one plausible error, and connect it to the next module.
3. dose-response	Explain the central idea, complete an application, diagnose one plausible error, and connect it to the next module.
4. adverse effects and interactions	Explain the central idea, complete an application, diagnose one plausible error, and connect it to the next module.
5. safe medication systems	Explain the central idea, complete an application, diagnose one plausible error, and connect it to the next module.

Reliable learning method

identify drug class and target, trace absorption distribution metabolism and elimination, connect dose to response, and verify safety sources

Representative application

Explain how organ function and another medication could change exposure while avoiding a patient-specific dosing recommendation.

Weekly study cycle

1. Preview the objective and write two questions. 2. Attend or engage and capture decisions rather than every sentence. 3. Reconstruct the main idea within 24 hours. 4. Complete independent practice. 5. Analyze the first unsupported move on each error. 6. Use feedback. 7. Schedule a delayed mixed recheck.

Self-check before moving on

Can you explain the idea without notes, complete a fresh task, detect a near-miss, verify the result, and state a limitation? Watch especially for: memorizing drug lists without mechanism, contraindications, interaction, monitoring, route, and patient factors.

What to save

a medication-class concept map with mechanism, kinetics, safety checks, and professional boundary

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