

## PN 1073 - Introductory Clinical Pharmacology (4 Credits)

### Course Description

Introductory Clinical Pharmacology provides you with an introduction to basic pharmacology. In this course, you will explore the major drug classifications along with general drug actions, common adverse reactions, contraindications, precautions, and interactions. You will discuss how the nursing process is used as a framework for presenting care of the patient as it relates to the drug and the drug regimen. You will identify ways to promote an optimal response to therapy, how to monitor and manage adverse reactions, and important points to keep in mind when educating patients about the use of these drugs. When you have completed this course, you will be able to demonstrate the basic methods used in the administration of drugs in the context of safety and patient-centered care.

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### Course Objectives

- Label medications using generic and brand names (EPSLO # 1, 2, 3, 4, 5).
  - Categorize characteristics of medications and their classifications (EPSLO # 1, 2, 3, 4, 5).
  - Apply basic concepts of pharmacology when providing safe client care (EPSLO # 1, 2, 3, 4, 5).
  - Discuss how the LPN functions as a member of the health care team when administering medications (EPSLO # 1, 2, 3, 4, 5).
  - Recall best practices in methods used to administer medications (EPSLO # 1, 2, 3, 4, 5).
  - Discuss methods used to optimize client response to medication therapy (EPSLO # 1, 2, 3, 4, 5).
  - Identify techniques to manage adverse reactions to medications (EPSLO # 1, 2, 3, 4, 5).
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### Course Outline

- Nursing Foundation of Clinical Pharmacology
  - Drugs That Fight Infections
  - Drugs Used to Manage Pain
  - Drugs That Affect the Central Nervous System
  - Drugs that Affect the Peripheral Nervous System
  - Drugs That Affect Other Body Systems
  - Drugs That Affect the Gastrointestinal System
  - Drugs That Affect the Endocrine System
  - Drugs That Affect the Respiratory System
  - Drugs that Affect the Cardiovascular System
  - Drugs that Affect the Neuromuscular System
  - Final
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### Textbook & Reading Materials

Introductory Clinical Pharmacology, Twelfth Edition, Susan M. Ford, ISBN: 978-1-975163-73-0

## Assignments and Assessments

Orientation	What is my learning style?
Course Introduction	Tests/Quizzes
Pharmacology Prep U Class Sign Up Code	Module 1: Medication Doseage Quiz
MedMath Class Sign Up Code	Module 1 Test_Foundations
Pharm 1073 Agenda_2025S_Student Version.docx	Participation
Documents	Objectives: Infection
Drug Card_Canva Printable.pdf	Participation: Infection Day 1
Resources	Participation: Infection Day 2
Student Strategies Training - Live Webinar Registration.pdf	Participation: Infections - Drug Class Presentations
DocuCare Getting Started Guide for Students.pdf	Reading: Infection - Day 1
Picmonic - Join for Free!	Reading: Infection - Day 2
Pixorize - Interactive Images for Drug Memorization	Ticket to Class
Barone Family Names	Ticket to Class: Drug Cards - Infection Chapters 6-9
Naming Drugs - Generic vs. Brand, Pharmacologic vs. Therapeutic	Ticket to Class: Drug Cards - Infection Chapters 10-12
Nursing.com	Assignments
Drug-Suffixes-Cheat-Sheet-Sorted-Alphabetically.pdf	Henke's MedMath: Chapter 2 Proficiency Quiz
Drug-Suffixes-Cheat-Sheet-Sorted-by-Drug-Type.pdf	Pharmacology Memorization Tools
NCLEX Resources	Mastery Quiz: Infection Chapter 6
Critical Thinking and Clinical Judgement	Mastery Quiz: Infection Chapter 7
Kaplarn & NCSBN Clinical Judgement.avif	Mastery Quiz: Infection Chapter 8
NCSBN-Clinical-Judgement-Measurement-Model.pdf	Mastery Quiz: Infection Chapter 9
NurseThink Notebook.pdf	Mastery Quiz: Infection Chapter 10
NCLEX Links	Mastery Quiz: Infection Chapter 11
NGN_Fall21_Question Types	Mastery Quiz: Infection Chapter 12
Syllabus Quiz	Lecture Materials
Participation	Chapter_06
Objectives: Day 1	Chapter_07
Participation: Foundations - Reading	Chapter_08
Participation: Foundations	Chapter_09
Participation: Chapter 5 - Teaching Plan	Chapter_10
Ticket to Class	Chapter_11
Ticket to Class: Prep U Sign Up	Chapter_12
Assignments	Test/Quiz
Post lecture quizzes	Module 2 Test: Infection- Requires Respondus LockDown Browser
Medical Terminology Assignment	Module 2 Group Test: Infection- Requires Respondus LockDown Browser
Henke's MedMath: Chapter 1 Proficiency Quiz	Module 2 Test: Infection_Remediation- Requires Respondus LockDown Browser
Mastery Quiz: Foundations - Chapter 1	Learning Resources
Mastery Quiz: Foundations - Chapter 2	Cell Membrane
Mastery Quiz: Foundations - Chapter 3	Amoeba Sisters: Antibiotics, Antivirals, and Vaccines
Mastery Quiz: Foundations - Chapter 4	Dr. Matt & Dr. Mike: Memorizing Abx Classes
Mastery Quiz: Foundations - Chapter 5	Picmonic: Antibiotic Family Names
Lecture Materials	Participation
Chapter_01 PPT	Objectives: Pain
Chapter_02 PPT	Reading: Pain
Chapter_03 PPT	Participation: Pain
Chapter_04 PPT	Participation: Drug Cards - Pain - In Class
Chapter_05 PPT	Participation: Pain - Classroom Presentations
Learning Resources	Ticket to Class
Pharmacokinetics vs. Pharmacodynamics	Assignments
Pharmacokinetics/ Pharmacodynamics_Dr. Matt & Dr. Mike	Mastery Quiz: Pain Chapter 13
Nursing Diagnosis - NLM	
What is culture?	

Mastery Quiz: Pain Chapter 14  
Mastery Quiz: Pain Chapter 15  
Mastery Quiz: Pain Chapter 16  
Lecture Materials  
Chapter\_13  
Chapter\_14  
Chapter\_15  
Chapter\_16  
Test/Quiz  
Module 5 Test: Pain- Requires Respondus LockDown  
Browser  
Module 5 Group Test: Pain- Requires Respondus LockDown  
Browser  
Participation  
Objectives: Central Nervous System  
Reading: CNS  
Participation: Central Nervous System  
Participation: CNS Bingo  
Participation: CNS: MedSurg Chapter 36 Presentations  
Participation: CNS - Patient Handout  
Participation: Central Nervous System Drug Cards  
Ticket to Class  
Assignments  
Lecture Material  
CNS PtPTs  
Chapter 36 Neuromuscular MedSurg\_SV.pptx  
Learning Resources  
MAOIs  
Participation  
Objectives: Peripheral Nervous System  
Reading: PNS  
Participation: Peripheral Nervous System  
Participation: Peripheral Nervous System - DNP  
Participation: Peripheral Nervous System - Case Studies  
Participation: Peripheral Nervous System - GSY  
Participation: Peripheral Nervous System Day 2  
Adrenergic Quiz  
Participation: Adrenergic vs Cholinergic Chart  
Ticket to Class  
Ticket to Class: Drug Cards - Peripheral Nervous System  
Assignments  
Mastery Quiz: Peripheral Nervous System - Chapter 24  
Mastery Quiz: Peripheral Nervous System - Chapter 25  
Mastery Quiz: Peripheral Nervous System - Chapter 26  
Lecture Material  
Chapter 23\_Adrenergic Drugs\_SV.pptx  
Chapter 24\_Adrenergic Blocking Drugs\_SV.pptx  
Chapter 25\_Cholinergic Drugs\_SV.pptx  
Chapter 26\_Cholinergic Blocking Drugs\_SV.pptx  
Learning Resources  
Adrenergic Receptors  
Vasopressors  
Overview of Adrenergic Effects  
Cholinergic Receptors

Cholinergic Drugs  
Anti-cholinergic vs Cholinergic Toxicity - Simple  
Anti-cholinergic Toxicity  
Tests  
Module 9 Test Peripheral Nervous System• Requires  
Respondus LockDown Browser  
PNS Test Remediation  
PNS Test Remediation  
Module 9 Group Test: Peripheral Nervous System- Requires  
Respondus LockDown  
Browser  
Participation  
Objectives: Other Body Systems  
Reading: Other Body Systems  
Participation: Other Body Systems  
Ticket to Class  
Ticket to Class: Drug Cards -Other Body Systems  
Lecture Materials  
Chapter\_52  
Chapter\_53  
Chapter\_54  
Assignments  
Mastery Quiz: Other Body Systems Chapter 52  
Mastery Quiz: Other Body Systems Chapter 53  
Mastery Quiz: Other Body Systems Chapter 54  
Test/Quiz  
PreU EC  
Module 7 Test: Cumulative Midterm with GI and Other Body  
Systems- Requires Respondus  
LockDown Browser  
Participation  
Objectives: GI System  
Reading: GI System  
Participation: GI System  
Ticket to Class  
Ticket to Class: Drug Cards - GI System  
Assignments  
Mastery Quiz: GI Chapter 38  
Mastery Quiz: GI Chapter 39  
Lecture Materials  
Chapter\_38  
Chapter\_39  
Test/Quiz  
Module 6 Test: GI System  
Participation  
Objectives: Endocrine System  
Reading: Endocrine System  
Participation: Endocrine System  
Participation: Endocrine Drug Memorization  
Ticket to Class  
Ticket to Class: Drug Cards - Endocrine System  
Weekly Assignments  
Mastery Quiz: Endocrine Chapter 40  
Mastery Quiz: Endocrine Chapter 41

Mastery Quiz: Endocrine Chapter 42  
Mastery Quiz: Endocrine Chapter 43  
Mastery Quiz: Endocrine Chapter 44  
Lecture Materials  
Chapter\_40  
Chapter\_41  
Chapter\_42  
Chapter\_43  
Chapter\_44  
Test/Quiz  
Module 4: Endocrine Test- Requires Respondus LockDown Browser  
Module 4: Endocrine Group Test- Requires Respondus LockDown Browser  
Participation  
Objectives: Respiratory  
Reading: Respiratory System  
Participation; Respiratory Day 1  
Participation: Respiratory System Ch. 30 Case Study  
Participation: Respiratory System Ch. 31 Drug Drawing  
Participation: Respiratory System Ch. 31 Case Study  
Participation: Respiratory Day 2  
Ticket To Class  
Ticket to Class: Drug Cards - Respiratory  
Assignments  
Mastery Quiz: Respiratory System - Chapter 30  
Mastery Quiz: Respiratory System - Chapter 31  
Lecture Material  
PPT: Respiratory  
Tests  
Module 10: Respiratory Test  
Module 10: Respiratory Group Test - Requires Respondus LockDown Browser  
Module 10: Respiratory Remediation- Requires Respondus LockDown Browser  
Pharm II\_Respiratory Remediation Test Rationales  
Module 10: Respiratory Group Test - Requires Respondus LockDown Browser  
Participation  
Objectives: Cardiovascular  
Reading: Cardiovascular System  
Participation: Cardiovascular Day 1  
Participation: Cardiovascular Heart Diagrams  
Participation: Cardiovascular Day 2  
Participation: Cardiovascular Day 3  
Ticket To Class  
Ticket to Class: Drug Cards - Cardiovascular  
Mastery Quiz: Cardiovascular - Chapter 32 TIC  
Mastery Quiz: Cardiovascular - Chapter 33 TIC  
Mastery Quiz: Cardiovascular - Chapter 34 TIC  
Mastery Quiz: Cardiovascular - Chapter 35 TIC  
Mastery Quiz: Cardiovascular - Chapter 36 TIC  
Mastery Quiz: Cardiovascular - Chapter 37 TIC  
Assignments

Mastery Quiz: Cardiovascular - Chapter 32  
Mastery Quiz: Cardiovascular - Chapter 33  
Mastery Quiz: Cardiovascular - Chapter 34  
Mastery Quiz: Cardiovascular - Chapter 35  
Mastery Quiz: Cardiovascular - Chapter 36  
Mastery Quiz: Cardiovascular - Chapter 37  
Cardiac Medication Group Presentation  
Lecture Material  
PPTs: Cardiovascular  
Student Cardiac PPTs  
Learning Resources  
Basic HTN Meds  
Picmonic - Cardiac  
RAAS - Real Simple  
RAAS and Drugs  
Osmotic Diuretics  
Shock Treatment  
Phases of Blood Clotting  
Simple Cascade and Antithrombotic Drugs  
Tests  
Pharm 1073\_Cardiac Test- Requires Respondus LockDown Browser  
Pharm 1073\_Cardiac Remediation  
Pharm II\_Cardiac Remediation Test Rationales  
Pharm 1073\_Cardiac Group Test- Requires Respondus LockDown Browser  
Participation  
Objectives: Neuromuscular  
Reading: Neuromuscular System  
Participation: Neuromuscular Day 1  
Participation: Round Robin Drug Education  
Ticket to Class  
Ticket to Class: Drug Cards - Neuromuscular  
Assignments  
Mastery Quiz: Neuromuscular - Chapter 27  
Mastery Quiz: Neuromuscular - Chapter 28  
Mastery Quiz: Neuromuscular - Chapter 29  
Lecture Material  
Chapter 27 Antiparkinsons.pptx  
Chapter 28 Antiepileptics.pptx  
Chapter 29 Skeletal Muscle, Bone, & Joint Disorders.pptx  
Phenytoin  
How seizure drugs work  
Module 13 Neuromuscular Student Presentations  
Participation: Final Exam Day  
Pharm 1073\_Neuromuscular and Immune Cumulative Final Extra Credit Opportunity  
Pharm 1073\_Group Test Neuromuscular and Immune Cumulative Final- Requires Respondus LockDown Browser  
End of Course Survey  
Participation  
Objectives: Urinary System  
Reading: Urinary System

Participation: Urinary System  
Ticket to Class  
Ticket to Class: Drug Cards - Urinary System - OPTIONAL  
Assignments  
Lecture Materials  
Chapter\_45  
Chapter\_46  
Test/Quiz  
Participation  
Participation: Immune System  
Reading: Immune System  
Participation: Immune System • Chapter Presentations  
Ticket to Class  
Lecture Materials  
MedSurg PPT\_Chapter\_33.pptx  
Chapter\_48.pptx  
Chapter\_47.pptx  
Chapter\_49.pptx  
Learning Resources  
Amoeba Sisters: Immune System  
Dr. Matt & Dr. Mike: Types of Immunity  
Objectives - Day 19  
Day20  
Objectives - Day 20  
Day12  
Participation  
Objectives  
Participation: Endocrine Human Diagram  
Ticket To Class  
Drug Cards: Endocrine  
Assignments  
PrepU Week 2: Endocrine Level 5  
Lecture Material  
PowerPoints: Endocrine  
PowerPoints: GI  
Tests  
Study Guide: Endocrine  
Module 4: Endocrine Test- Requires Respondus LockDown  
Browser  
Pharm II\_Endocrine Remediation- Requires Respondus  
LockDown Browser  
Pharm II\_Endocrine Remediation  
Day21  
Objectives - Day 21  
Day22  
Objectives - Day 22  
Participation  
Objectives: Week 7  
Participation: Other Body Systems  
Ticket To Class  
Drug Cards: Other Body Systems  
Assignments  
Lecture Material  
PPT

Tests  
Day24  
Objectives - Day 24  
Day25  
Objectives - Day 25

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*Subject to change. Please consult your Canvas course for the most current instructions and updates.*

## Classroom Hours

Start: 08-14-2025

End: 12-11-2025

Thursday

9:00 AM - 4:00 PM

For a full list of course hours visit: [Course Schedule](#)

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## Instructor Contact Information

Marie Smack — [msmack@stech.edu](mailto:msmack@stech.edu)

Office Hours: By appointment

Email is the preferred method of communication; you will receive a response within 72 hours during regular business hours.

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## Canvas Information

Canvas is the where course content, grades, and communication will reside for this course.

- [stech.instructure.com](http://stech.instructure.com)
  - For Canvas passwords or any other computer-related technical support contact Student Services.
  - For regular Hours and Weekdays call (435) 586 - 2899.
  - For after Hours & Weekends call (435) 865 - 3929 (Leave a message if no response).
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## Course Policies

See Student Policy and Orientation Manual

## Additional Information

InformaCast Statement: Southwest Tech uses InformaCast to ensure the safety and well-being of our students. In times of emergency, such as weather closures and delays, this app allows us to promptly deliver notifications directly to your mobile devices. To stay informed and receive real-time updates, we encourage all students to sign up for notifications. Your safety is our priority, and staying connected ensures a swift response to any unforeseen circumstances. More information and directions for signing up are available at: <https://stech.edu/emergency-notifications/>

Internet Acceptable Use Policy: The student is expected to review and follow the Southwest Technical College Internet Safety Policy at: <https://stech.edu/students/policies/>

Student Code of Conduct Policy: The student is expected to review and follow the Southwest Technical College Student Code of Conduct Policy at: <https://stech.edu/students/policies/>

Accommodations: Students with medical, psychological, learning, or other disabilities desiring accommodations or services under ADA, must contact the Student Services Office. Student Services determines eligibility for and authorizes the provision of these accommodations and services. Students must voluntarily disclose that they have a disability, request an accommodation, and provide documentation of their disability. Students with disabilities may apply for accommodations, based on an eligible disability, through the Student Services office located at 757 W. 800 S., Cedar City, UT 84720, and by phone at (435) 586-2899. No diagnostic services are currently available through Southwest Technical College.

Safety and Building Maintenance: The College has developed and follows a variety of plans to ensure the safe and effective operation of its facilities and programs. The following plans are available online:

1) Facilities Operations and Maintenance Plan; 2) Technical Infrastructure Plan; and 3) Health and Safety Plan.

Withdrawals and Refunds: Please refer to the Southwest Technical College Refund Policy at: <https://stech.edu/students/policies/>

Any high school or adult student, who declares a technical training objective is eligible for admission at Southwest Technical College (Southwest Tech). Program-specific admissions requirements may exist and will be listed on the Southwest Tech website. A high school diploma or equivalent is not required for admission but is mandatory for students seeking Title IV Federal Financial Aid.

Non-Discriminatory Policy: Southwest Technical College affirms its commitment to promote the goals of fairness and equity in all aspects of the educational enterprise, and bases its policies on the idea of global human dignity.

Southwest Tech is committed to a policy of nondiscrimination. No otherwise qualified person may be excluded from participation in or be subjected to discrimination in any course, program or activity because of race, age, color, religion, sex, pregnancy, national origin or disability. Southwest Technical College does not discriminate on the basis of sex in the education programs or activities that it operates, as required by Title IX and 34 CFR part 106. The requirement not to discriminate in education programs or activities extends to admission and employment. Inquiries about Title IX and its regulations to STECH may be referred to the Title IX Coordinator, to the Department of Education, and/or to the Office for Civil rights.

If you believe you have experienced discrimination or harassment on our campus, please contact the Title IX Coordinator, Cory Estes: [cestes@stech.edu](mailto:cestes@stech.edu), (435) 865-3938.

For special accommodations, please contact the ADA Coordinator, Cyndie Tracy: [ctracy@stech.edu](mailto:ctracy@stech.edu), (435) 865-3944.

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