Brookes College

Pharmacy Assistant Diploma

Course:
Medical Terminology for Pharmacy Assistants

Brookes College - Pharmacy Assistant Program
Medical Terminology for Pharmacy Assistants
Course Curriculum

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Course Syllabus: Medical Terminology for Pharmacy Assistants

Course Description:

This comprehensive 4-week course is meticulously crafted to empower pharmacy assistants with fundamental medical terminology essential for effective communication in healthcare settings. Participants will decode a spectrum of medical terminologies commonly used to describe intricate bodily structures and functions. The course places significant emphasis on cultivating accurate pronunciation and the appropriate contextual application of medical terms within specific medical scenarios.

Course Duration:

- 80 hours
- 20 hours per week
- 4 weeks
- 10 hours of online synchronous instruction
- 10 hours of self-directed learning

Course Goals:

- Establish a robust foundational understanding of basic medical word components, encompassing prefixes, suffixes, and anatomical terms.
- Proficiently decode and articulate medical terms tailored to various medical specialties.
- Forge a clear and profound link between medical terminology and the precise delineation of bodily structures and functions.
- Enhance communication efficacy through the precise and judicious application of medical terminology.
- Recognize the pivotal significance of employing precise medical terminology within the purview of pharmacy practice.

Course Format:

- Engaging lectures supplemented by readings, multimedia resources, and insightful case studies
- Interactive discussions and collaborative group activities to promote comprehensive understanding.
- Expert insights from guest speakers within the healthcare field, providing valuable real-world perspectives.
- Weekly assignments that bridge theoretical knowledge to practical scenarios, reinforcing understanding

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Course Outcomes: By the end of this course, students will be able to:

- Construct a solid foundation in essential medical word components, including prefixes, suffixes, and anatomical terms.
- Demonstrate confidence in pronouncing and interpreting medical terms across diverse medical specialties.
- Skillfully apply medical terminology to accurately describe distinct bodily structures and functions.
- Effectively utilize precise medical terminology to facilitate clear and concise communication in healthcare contexts.
- Demonstrate Appreciation for the paramount importance of exact medical terminology within the realm of pharmacy practice.

Textbook: e-texts have Power Point slides, Instructor manual, tests, and test banks to support instructional delivery:

- "Medical Terminology: Get Connected!"
- Author: Suzanne S. Frucht, Northwest Missouri State University
- 3rd edition Published by Pearson (January 1, 2019) © 2020.
- eTextbook ISBN-13: 9780136873112

Course Outline:

Week 1: Introduction to Medical Terminology

- Basics of medical terminology in pharmacy practice
- Elements of word structure: roots, prefixes, and suffixes

Week 2: Suffixes & Prefixes

- Exploration of common suffixes and prefixes along with their meanings
- Formation and interpretation of medical terms employing suffixes and prefixes

Week 3: Anatomical Terminology

- Navigating body planes and understanding directional terms
- Practical integration of anatomical terms into healthcare communication

Week 4: Medical Specialties & Terminology

- Introduction to diverse medical specialties and their distinctive terminology

- Focused examination of terminology within dermatology, orthopedics, and cardiology

Assessment and Review:

- Participation: 10%
- Weekly Assignments: 40%
- Midterm Assessment: 20%
- Final Assessment: 30%

Grading Scale:

Percentage Range	Letter Grade	Grade Points	Description
90 – 100	A+	4.0	**Excellent (4)**
85 – 89	A	4.0	
80 – 84	A-	3.7	
77 – 79	B+	3.3	**Proficient (3)**
73 – 76	B	3.0	
70 – 72	B-	2.7	
67 – 69	C+	2.3	**Competent (2)**
63 – 66	C	2	
60 – 62	C-	1.7	
55 – 59	D+	1.3	
50 – 54	**D**	**1.0**	**Developing (1)**
0 – 49	F	0.0	**Not Evident (0)**

Important Dates:

- Midterm Examination: [Date]
- Final Project Presentation: [Date]
- Final Examination: [Date]

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Module Plans: Medical Terminology for Pharmacy Assistants

Course Duration:

- 80 hours
- 20 hours per week
- 4 weeks
- 10 hours of online synchronous instruction per week
- 10 hours of self-directed learning per week

Course Description:

This comprehensive 4-week course is designed to equip pharmacy assistants with essential medical terminology used in healthcare settings. The course delves into diverse medical terminologies commonly employed to describe body structures and functions. It also places emphasis on correct pronunciation and the contextual use of medical terms within specific medical situations.

Course Format:

The course employs a balanced blend of synchronous instruction, interactive activities, and self-directed learning. Students will engage in in-depth discussions, collaborative exercises, and practical case studies to strengthen their grasp of medical terminology.

Textbook**:** e-texts have Power Point slides, Instructor manual, tests, and test banks to support instructional delivery:

- "Medical Terminology: Get Connected!"
- Author: Suzanne S. Frucht, Northwest Missouri State University
- 3rd edition Published by Pearson (January 1, 2019) © 2020.
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Module Outlines:

Week 1: Introduction to Medical Terminology

Learning Outcomes**:** By the end of this module, students will be able to:

- Recognize the significance of medical terminology in pharmacy practice.
- Define and differentiate basic word elements: roots, prefixes, and suffixes.
- Demonstrate a deeper understanding of word elements, including roots, prefixes, and suffixes.
- Apply word elements effectively in constructing and interpreting medical terms.

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Session 1: Basics of Medical Terminology

Synchronous Instruction: 2.5 hours

Topics:

- Understanding the role of medical terminology in healthcare settings.
- Explanation of roots, prefixes, and suffixes and their role in constructing medical terms.

Activities:

- Engage in interactive discussions on the importance of accurate medical terminology.

Self-Directed Learning: 2.5 hours

Activities:

- Participate in exercises to analyze and create medical terms using word elements.

Assessment:

- Evaluation of comprehension regarding the importance of medical terminology.

Session 2: Understanding Word Elements

Synchronous Instruction: 2.5 hours

Topics:

- Independent exploration of roots, prefixes, and suffixes.
- Practical application of word elements in medical terminology.

Activities:

- Interactive exercises to reinforce the understanding of word elements, including word element matching games.
- Collaborative exercises for practicing the creation of medical terms using word elements.
- Peer review and discussion of medical terms constructed by students.

Self-Directed Learning: 2.5 hours

Activities:

- Continued self-guided exercises to strengthen comprehension of word elements.
- Practice exercises to create more complex medical terms using word elements.
- Self-assessment and reflection on the ability to construct and interpret medical terms effectively.

Assessment:

- Assessment of the ability to construct medical terms using word elements through quizzes or assignments.
- Peer assessment of constructed medical terms to encourage discussion and feedback.

Week 2: Suffixes & Prefixes

Learning Outcomes: By the end of this module, students will be able to:

- Identify common suffixes and prefixes and understand their meanings.
- Construct and interpret medical terms using suffixes and prefixes.
- Apply suffixes and prefixes effectively in constructing medical terms.
- Analyze and deconstruct complex medical terms to understand their components.

Session 1: Exploring Suffixes & Prefixes

Synchronous Instruction: 2.5 hours

Topics:

- Exploration of frequently used suffixes and their implications.
- Understanding common prefixes and their modification of medical terms.

Activities:

- Interactive exercises to match suffixes/prefixes with their meanings.

Self-Directed Learning: 2.5 hours

Activities and Assessment:

- Practice exercises to create medical terms using suffixes and prefixes.
- Evaluation of recognition and understanding of suffixes and prefixes.

Session 2: Constructing Medical Terms

Synchronous Instruction: 2.5 hours

Topics:

- Applying suffixes and prefixes in constructing medical terms.
- Analyzing complex medical terms through component breakdown.

Activities:

- Interactive exercises to practice constructing medical terms using suffixes and prefixes.

- Collaborative exercises where students work together to analyze and deconstruct complex medical terms.
- Group discussions on challenges and insights gained from deconstructing medical terms.

Self-Directed Learning: 2.5 hours

Activities:

- Additional self-guided exercises to further strengthen the skill of constructing medical terms.
- Independent practice in deconstructing and interpreting complex medical terms.
- Self-assessment and reflection on the ability to construct and analyze medical terms.

Assessment:

- Assessment of the ability to construct and analyze medical terms effectively through quizzes or assignments.
- Peer assessment of deconstructed medical terms to encourage discussion and feedback.

Week 3: Anatomical Terminology

Learning Outcomes: By the end of this module, students will be able to:

- Familiarize with body planes and directional terms.
- Apply anatomical terms in practical healthcare communication.
- Apply anatomical terms to real-world healthcare situations effectively.
- Collaborate with peers in practical exercises using anatomical terminology.

Session 1: Navigating Body Planes

Synchronous Instruction: 2.5 hours

Topics

- Understanding different body planes and their importance.
- Learning directional terms for accurate body parts description.

Activities:

- Interactive discussions on the significance of anatomical terminology in healthcare.

Self-Directed Learning: 2.5 hours

Activities and Assessment:

- Self-guided exercises to strengthen comprehension of body planes and directional terms.
- Evaluation of understanding of anatomical terminology.

Session 2: Practical Application of Anatomical Terms

Synchronous Instruction: 2.5 hours

Topics:

- Applying anatomical terms to real-world healthcare situations.
- Collaborative exercises for practicing communication using anatomical terminology.

Activities:

- Collaborative exercises where students work in pairs or groups to apply anatomical terms to healthcare scenarios.
- Role-playing exercises where students practice using anatomical terms in simulated healthcare interactions.
- Group discussions to share experiences and insights from practical application exercises.

Self-Directed Learning: 2.5 hours

Activities:

- Case studies that require students to apply anatomical terms to complex healthcare scenarios.
- Independent practice in using anatomical terminology in written and oral communication.
- Self-assessment and reflection on the practical application of anatomical terminology.

Assessment:

- Assessment of the practical application of anatomical terminology through case studies or practical exercises.
- Peer assessment of role-playing exercises to encourage discussion and feedback.

Week 4: Medical Specialties & Terminology

Learning Outcomes: By the end of this module, students will be able to:

- Apply medical specialties and their associated terminology.
- Demonstrate knowledge of terms related to dermatology, orthopedics, cardiology, hematology, immunology, and pulmonology.
- Demonstrate a comprehensive understanding of terminology related to specific medical specialties.
- Apply specialized terminology effectively through quizzes and case studies.

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Session 1: Introduction to Medical Specialties

Synchronous Instruction: 2.5 hours

Topics:

- Understanding the importance of medical specialties in healthcare.
- Introduction to terminology used in dermatology, orthopedics, cardiology, hematology, immunology, and pulmonology.

Activities:

- Engage in interactive lectures discussing the role of medical specialties.

Self-Directed Learning: 2.5 hours

Activities and Assessment:

- Review and expand vocabulary related to the covered specialties.
- Evaluation of understanding of the importance of medical specialties.

Session 2: In-Depth Study of Specialized Terminology

Synchronous Instruction: 5 hours

Topics:

- In-depth exploration of terminology in the covered medical specialties, including dermatology, orthopedics, cardiology, hematology, immunology, and pulmonology.
- Quizzes and case studies to reinforce the comprehension of specialty-specific terms.

Activities:

- Quizzes covering terminology specific to each of the covered medical specialties, allowing students to test their knowledge.
- Case studies related to each specialty, challenging students to apply specialized terminology to real-world scenarios.
- Group discussions to share insights and discuss solutions to case study challenges.

Self-Directed Learning: 2.5 hours

Activities and Assessment:

- A final self-assessment and review of key concepts and terminology covered throughout the course.

- Evaluation in the form of a self-assessment quiz or reflection to gauge overall understanding.

Final Assessment

Synchronous Instruction: 2.5 hours

Assessment (Final Session):

- A comprehensive final exam assessing overall understanding of medical terminology, covering all topics discussed throughout the course.
- Concluding remarks from the instructor, providing feedback and addressing any final questions or concerns from students.
- Course evaluation to gather feedback from students regarding the course content, structure, and instruction.

Assessment and Review:

- Weekly quizzes and assignments (40% of the grade).
- Mid-term exam (20% of the grade).
- Final exam (30% of the grade).
- Participation in synchronous and asynchronous sessions (10% of the grade).

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Sample Lesson Plan: Introduction to Medical Specialties and Their Significance

Lesson Duration:

- 5 hours
- 2.5 hours online synchronized instruction
- 2.5 hours of online self-directed learning

Learning Outcomes**:** By the end of this lesson, students will be able to:

- Comprehend the concept of medical specialties and their significance in healthcare.
- Recognize the importance of precise medical terminology within diverse medical specialties.
- Appreciate how specialized terminology contributes to effective communication in healthcare contexts.

Textbook**:** e-texts have Power Point slides, Instructor manual, tests, and test banks to support instructional delivery:

- "Medical Terminology: Get Connected!"
- Author: Suzanne S. Frucht, Northwest Missouri State University
- 3rd edition Published by Pearson (January 1, 2019) © 2020.
- eTextbook ISBN-13: 9780136873112

Materials:

- Online presentation tools for instructional segments.
- Online resources, eTextbook, or provided reading materials for self-directed learning.
- Case study documents for analysis.
- Interactive exercises for terminology application.

Lesson Outline:

Online Synchronous Instruction (2.5 hours)

Part 1: Exploring Medical Specialties

- Introduction to the concept of medical specialties and their role in healthcare.
- Discussion on how medical fields focus on distinct areas of the body or medical conditions.
- Exploration of how specialization enhances patient care and treatment outcomes.

Part 2: The Role of Specialized Medical Terminology

- Explanation of how each medical specialty has its unique set of terms.
- Emphasis on the significance of using accurate terminology to avoid misunderstandings.
- Examples showcasing how specialized terms enable precise descriptions and accurate diagnoses.

Part 3: Interactive Group Activity: Specialization Scenarios

- Divide students into groups and assign different medical specialties (e.g., dermatology, cardiology, orthopedics).
- Groups collaborate to develop scenarios related to their assigned specialties, incorporating specialized terminology.
- Each group presents their scenario and terms used, highlighting the significance of precise language.

Part 4: Open Discussion and Q&A

- Engage students in an open discussion on their insights about medical specialties and specialized terminology.
- Encourage questions and answers to clarify any doubts or uncertainties.
- Facilitate an exchange of perspectives and experiences related to healthcare communication.

Online Self-Directed Learning (2.5 hours)

Task 1: Explore Specialty Terminology

- Students access provided online resources, eTextbook, or other reference materials.
- Independently research and familiarize themselves with terminology associated with various medical specialties.
- Take notes to capture key terms and their meanings for future reference.

Task 2: Case Study Analysis

- Provide students with case studies encompassing different medical specialties.
- In an independent setting, students analyze the cases and identify specialized terms used to describe symptoms, conditions, and treatments.

- Reflect on how the use of accurate terminology aids in comprehension and effective patient care.

Task 3: Terminology Application

- Assign interactive exercises that require students to match medical terms to corresponding specialties.
- Have students construct sentences using specialized terms in appropriate contexts.
- Review and provide feedback on completed exercises.

Assessment

- Evaluation of self-directed learning tasks, including the quality of case study analysis and terminology application exercises.
- Assessment of active participation during the synchronous instructional session, including group activities and discussions.

Conclusion and Recap

- Summarize the key concepts learned during the lesson.
- Provide a preview of the next lesson and its relevance to the topic.

Homework Assignment:

- Prepare a summary of a medical specialty of your choice, including its significance and key terminology.

Learning Outcomes Review**:**

- Review the learning objectives for the lesson and discuss how they have been met through the activities and discussions.

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Course Rubric: Medical Terminology for Pharmacy Assistants

Assessment Criteria	Excellent (4)	Proficient (3)	Competent (2)	Developing (1)	Not Evident (0)
Class Participation	10%	8%	6%	4%	2%
Actively engages in discussions	Consistently contributes thoughtfully and initiates discussions, enhancing class learning.	Regularly participates in discussions, offering insightful contributions.	Participates in discussions, though contributions may lack depth at times.	Minimal participation, often only when prompted.	Rarely engages in discussions.
Weekly Quizzes and Homework	40%	32%	24%	16%	8%
Quiz and homework completion	Demonstrates consistent excellence in completing quizzes and assignments.	Completes quizzes and assignments with a high level of accuracy and thoroughness.	Completes most quizzes and assignments with satisfactory effort.	Inconsistently completes quizzes and assignments.	Frequently fails to complete quizzes and assignments.
Final Exam	50%	40%	30%	20%	10%
Mastery of course material	Demonstrates comprehensive understanding of medical terminology and its applications.	Exhibits a solid grasp of course material and effectively applies knowledge.	Demonstrates a satisfactory understanding of most course concepts.	Displays limited understanding of core concepts and terminology.	Fails to demonstrate a basic understanding of course material.
Communication and Pronunciation					
Accuracy					
Pronunciation of medical terms	Pronounces medical terms accurately, demonstrating a deep understanding of phonetics.	Pronounces medical terms correctly with few errors, facilitating effective communication.	Pronounces most medical terms accurately; errors may occasionally affect clarity.	Struggles with accurate pronunciation, leading to occasional misunderstandings.	Consistently mispronounces medical terms, impeding effective communication.
Contextual Usage					
Applying medical terms in context	Skillfully and consistently applies medical terms in appropriate contexts.	Effectively utilizes medical terms within relevant contexts.	Generally applies medical terms accurately, but occasional misuse may occur.	Demonstrates limited ability to apply medical terms correctly in context.	Consistently misapplies medical terms in various contexts.
Anatomical Terminology					
Proficiency					

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Assessment Criteria	Excellent (4)	Proficient (3)	Competent (2)	Developing (1)	Not Evident (0)
Application of anatomical terms	Applies anatomical terms accurately to describe body structures and positions.	Utilizes anatomical terms effectively to convey precise information.	Demonstrates satisfactory application of anatomical terms, with occasional inaccuracies.	Struggles to consistently apply anatomical terms correctly.	Consistently misuses anatomical terms, reflecting a lack of understanding.
Medical Specialties & Terminology					
Knowledge					
Understanding of medical specialties	Displays comprehensive understanding of various medical specialties and their associated terminology.	Shows solid knowledge of medical specialties and the corresponding terminology.	Demonstrates satisfactory understanding of most medical specialties and terms.	Shows limited grasp of medical specialties and associated terms.	Fails to understand basic medical specialties and their terminology.
Vocabulary Mastery					
Accurate usage of specialty terms	Consistently and accurately employs specialized medical terms within different specialties.	Generally, uses specialized medical terms appropriately within respective specialties.	Often employs correct specialized medical terms, though errors may arise.	Struggles with consistent and accurate usage of specialized terms.	Consistently misuses specialized medical terms, hindering effective communication.

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