

EC&I834 ADDIE TEMPLATE

Important - Just fill out the first two sections (Analysis & Design). Just review the other three.

ANALYSIS

The prompt
<p><i>Describe the problem or insight that inspires a need for instruction. You may also consider the potential consequences if the needs are not addressed.</i></p> <p>Health administrators are essential to the efficient running of medical institutions. However, many students enrolled in health administration courses often struggle to understand and use medical terms. Medical terminology is a foundational skill and language required by many healthcare professionals to enable them to communicate clearly and effectively across various settings.</p> <p>Without proper instruction, health administration students may find it difficult to interpret and document medical conditions, patient information, billing and coding procedures, interact with patients and communicate with other healthcare professionals. This lack of knowledge can cause mistakes in patient care and inefficient administrative processes, as well as make students less credible in their responsibilities.</p>
Learner personas
<p><i>Create fictional personas that summarize the key features and needs of your target audience.</i></p> <p>This course is designed for students interested in healthcare professions, including newly graduated high school students, college students, and adult learners seeking career advancement or transition into medical-related fields. The course is suitable for learners aged 18 and above, with varying levels of prior knowledge in healthcare.</p> <p>Newly graduated high school students These are students with no knowledge, skills, or experience in the workplace environment. They need to be equipped and supported with foundational skills and knowledge they need to communicate as a health administrator with patients and other health professionals</p> <p>Second career students These are students who already have a degree in one field of study and are in pursuit of another degree in a health-related field to enable them to work as a medical office assistant or unit clerk. These students tend to be a bit older and have several years of experience working in the field. Their primary goal is to advance their education in order to make a career change successfully.</p> <p>Working students with related experience These are students already working in health-related fields but need to upgrade their</p>

knowledge or do a refresher course on medical terminology to better enhance their skills and applications of related concepts in the field.

Below is an example of students registered in the course

<i>S/N</i>	<i>Name</i>	<i>Age</i>	<i>Background</i>	<i>Needs</i>
1	Fabiola	34	Currently working as a sales rep, has no knowledge of medical terminology.	Needs to learn the language of medicine
2	Neelam	25	He is an experienced practitioner but does not know how to use a computer	Needs to refresh his knowledge and needs someone to show him how to use computers to identify keywords
3	Maharaj	28	First-time enrolment in a college program, have no idea what medical terminology entails.	Need to learn foundational words and languages used to communicate as a Medical Unit clerk
4	Nzuki	40	Worked as a PSW, have little idea about medical terminology	She needs to enhance her knowledge of major diseases, human anatomy and medical language
5	Temmy	29	Recently graduated from high school and has no knowledge or skills in the field	Needs all the support to learn the knowledge, practice and skills used as a unit clerk

Course Overview

Course Title: Introduction to Medical Terminology
Course Number: HTMOP 141 (4 credits)
Course Day & Time: Monday to Friday (5:30 p.m. - 9:30 p.m)
Course duration: 8 weeks
Classroom: Zoom

Description

This course covers the foundations of medical terminology, including analysing medical terms and medical abbreviations in the form of word roots, prefixes, and suffixes.

It focuses on terminology related to human anatomy, physiology, diseases, laboratory diagnostics, and radiology procedures.

Students will learn to interpret, use, and document medical language accurately in various health administration contexts. The major themes that would be considered for the purpose of

this module include the following:

Theme 1: Introduction to Medical Language

- Medical language skills
- Medical words: Singular and Plural nouns and word parts
- Divide and build medical words
- The body in health and diseases
- Healthcare today

Theme 2: Pulmonology: Respiratory System

- Functions and Structures of the Respiratory System
- Process of Breathing
- Word Parts for the Respiratory System (Roots, Prefixes and Suffixes)
- Term Analysis and Definition
- Vocabulary and Medical Abbreviations

Theme 3: Cardiology - The Cardiovascular System

- Types of Blood Vessels
- Structures of the Heart
- Heart Function
- Blood Circulation
- Conduction System
- The Blood
- Blood Type and Blood Donation
- Word Parts for the Cardiovascular System (Roots, Prefixes and Suffixes)
- Term Analysis and Definition

Learning environment

Explore opportunities and limitations based on the following perspectives:

- Learners
 - They have different educational backgrounds and familiarity with medical terminology.
 - They have a preference for self-paced and online interactive learning sessions.
- Facilitators
 - Experienced in healthcare administration and online teaching.
 - Able to provide timely feedback and support students' engagement through discussion boards and live Q&A sessions.
- The domain and discipline
 - Medical terminology is an interdisciplinary subject, bridging health sciences and administration for post-secondary students interested in healthcare clinical and non-clinical related careers.

- The course requires practical applications for health administrative tasks.
- Learning Technologies
 - This course will basically use Google Classroom as an LMS for content delivery and assessments.
 - Interactive tools like Google forms, H5P, and Kahoot will be used for quiz drills
 - Classes will be held via Zoom and utilized for live Q&A sessions
- Access and cost
 - This course is fully online and accessible on desktop and mobile devices.
 - The course will also utilise free course materials by leveraging open resources and some institutional subscriptions.
 - Affordable resources that can be purchased at the student's cost if interested will also be shared.
 - Students who might have difficulties with low bandwidth or device accessibility can download presentation slides, PDF resources, and audio-only version of the video lectures for offline use.
 - EAL students can use the interactive exercises for reinforcement and videos of lectures will be captioned to support their learning.

DESIGN

Course-level objectives
<p><i>Describe the most significant learning outcomes/objectives of your course.</i></p> <p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> ● Identify, describe, and pronounce the combining words that form the foundation of medical terms ● Understand the meaning of medical term constructions and its relation to anatomy and physiology ● Identify and describe the major anatomical position, body systems, plane and direction ● Identify the various structures of the human body and describe their functions ● Identify and describe common diseases, and how they are diagnosed and treated. ● Explain the critical role of accurate medical terminology in various healthcare professions.
Instructional approach
<p>This course will be delivered remotely, integrating asynchronous with optional synchronous components. To maximize the learning experiences and activities in this course, a modular format with interactive learning activities through video reviews, image presentations, reflective inquiry questions, group discussions, writing exercises, workplace applications, and knowledge sharing will be utilized</p>

This course will utilize both formative and summative assessments in evaluating students understanding of the course. Assessments will be in the form of weekly quizzes, in-class discussions, multiple-choice exams, and open-ended practical questions that explore students' application of knowledge.

Major platforms	Educational technologies
<p><i>List the LMS and/or other educational technologies that will be used.</i></p> <p>Zoom, Google Form Quiz, pic match cards, Medical Terminology Quizzes,</p> <p>Building a Medical Terminology Foundation – Simple Book Publishing</p> <p>https://medterminology.com/free-exercises/</p>	<p>Zoom: This platform will be used for our online class review, group discussion, and knowledge sharing on the course content. The link will be shared in the Google Classroom LMS</p> <p>Google Documents: This platform will be used to share course materials, assignments, peer feedback activities, and forms integrated into Google Classroom</p> <p>Kahoot or Google Form: This is an interactive platform that will be used to host live polls and quizzes in our Thursday class before or after the commencement of lectures. This platform will be integrated into the Google Classroom assignment section; however, it will be a live assessment. All students must take part in this activity.</p>

Course design pre-planning

Learning objective	Assessment	Learning material
<p>Introduction to Medical Language</p> <ul style="list-style-type: none"> Identify the five skills of medical language communication. Describe the origins of medical language. Form the plural of common medical singular nouns. Identify the characteristics of word parts (combining form, suffix, prefix). Give the meaning of common medical word parts. Divide medical words into word parts. Build medical words from word parts. 	<p>Students will engage in classroom discussions on various communication skills</p> <p>Students will complete an assignment on matching the name and meaning of medical words, as well as common suffixes and prefixes and their medical meaning</p> <p>Students will listen,</p>	<ul style="list-style-type: none"> Video content Textbook review exercises Pearson MyLab digital resources Uploaded slides and materials

<ul style="list-style-type: none"> • Spell and pronounce common medical words. 	<p>pronounce and spell common medical words as an online activity on the MyLab resources</p>	
<p>Pulmonology: Respiratory System</p> <ul style="list-style-type: none"> • Identify the structures of the respiratory system. • Demonstrate proficiency in medical language. • Describe the functions of the respiratory system. • Demonstrate proficiency in medical language. • Describe common respiratory diseases. • Demonstrate proficiency in medical language. 	<p>Students will identify underlying structures and locations using the Respiratory System H5P content to enhance their understanding.</p> <p>Students will also practice Respiratory System Medical Terms using the H5P interaction. There is no formal submission.</p>	<ul style="list-style-type: none"> • Video content • Textbook review exercises • Pearson MyLab digital resources • Uploaded slides and materials
<p>Cardiology - The Cardiovascular System</p> <ul style="list-style-type: none"> • Identify the structures of the cardiovascular system. • Demonstrate proficiency in medical language • Describe the functions of the cardiovascular system. • Demonstrate proficiency in medical language. • Describe common cardiovascular diseases. • Demonstrate proficiency in medical language. 	<p>Students will Label the Human Heart using the H5P interaction. Students will also be given assignment to give the medical meaning of various keywords, suffixes, prefixes and combining forms, which will be submitted.</p>	<ul style="list-style-type: none"> • Video content • Textbook review exercises • Pearson MyLab digital resources • Uploaded slides and materials

DEVELOPMENT

Development is the most difficult and time-consuming part of the ADDIE process. For the purposes of this class, I would suggest learning more about constructive alignment. Here's [a short video on the topic](#) from the University of Saskatchewan.

IMPLEMENT

Quality assurance is important, especially during the design and implementation phases. This [is an excellent checklist for assessing course quality](#).

EVALUATE

If you haven't already, check out [the Evaluate section of ADDIE Explained](#). It's an excellent overview of various approaches used in various sectors.

Our third week's blog post is about designing a course profile. To have a better understanding of how to fill the necessary sections of the ADDIE template, I had to do further readings, and I came across the [Remote/Online Course Design Checklist](#) on the University of Toronto's website which creates a simple road map on basic things that needs to be considered when designing online learning courses. So, let's get started with specifics about the course.

COURSE PROFILE: MEDICAL TERMINOLOGY

Good day, my name is Ayodele, and I'll
be your instructor for this course on
Medical Terminology.
For any enquiries or course-related
assistance, email: aao083@uregina.ca

This course is designed for medical professionals interested in learning, refreshing their knowledge and applying healthcare languages. This course is also relevant for medical-related professionals who work in the healthcare sector and students who aspire to work in these fields.

For example, there is a growing need for health administrators across the country because they are essential to the efficient running of medical institutions. However, many students enrolled in health administration courses often struggle to understand and use medical terms. Medical terminology is a foundational skill and language required by many healthcare professionals to enable them to communicate clearly and effectively across various settings. Without proper instruction, health administration students may find it difficult to interpret and document medical conditions, patient information, billing and coding procedures, interact with patients and communicate with other healthcare professionals. This lack of knowledge can cause mistakes in patient care and inefficient administrative processes, as well as make students less credible in their responsibilities.

This is an online course designed for that will be run for the next 9 weeks

Ayodele Ogegbo is inviting you to a scheduled Zoom meeting.

Topic: Medical Terminology

Time: Feb 3, 2025 05:30 PM Saskatchewan

Every day, until Mar 21, 2025, 47 occurrence(s)

Feb 3, 2025 05:30 PM

Feb 4, 2025 05:30 PM

Feb 5, 2025 05:30 PM
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Mar 21, 2025 05:30 PM

Please download and import the following iCalendar (.ics) files to your calendar system.

Daily:

[Zoom](#)

Join Zoom Meeting

<https://uregina-ca.zoom.us/j/95230889797?pwd=3bkiWoZmvUT3BMbRRcDJ4jlGSN5r8d.1>

Meeting ID: 952 3088 9797

Passcode: kdb31v

Dial by your location

+1 780 666 0144 Canada

+1 204 272 7920 Canada

+1 438 809 7799 Canada

+1 587 328 1099 Canada

+1 647 374 4685 Canada

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Meeting ID: 952 3088 9797

Find your local number: <https://uregina-ca.zoom.us/u/acRL05x1jD>

[Google Classroom](#)