

# Syllabus for HWM 430

## Population Health for Wellness Managers

### IMPORTANT:

This course syllabus document contains basic information of each course. **Please refer to the content pages under the Course Information module on each course site for detailed guidelines, project information, rubrics, course/university policies, and other course-related information for each course.**

### Instructor Information

Dr. Myron Falken, Ph.D, MPH

Email: [falke014@umn.edu](mailto:falke014@umn.edu)

### Course Description

This course introduces the evolution of health problems and services and will examine the methods designed to capture a community health profile. The participant will apply concepts involved in measuring and understanding the health of individuals and populations in order to enhance quality of life. The key social determinants of wellness and their interactions will be considered.

**Prerequisite(s):** HWM 300 Introduction to Human Health and HWM 350 Research and Statistics for Wellness Managers.

### Course Learning Outcomes

By the end of this course, you will be able to:

- Describe the advanced epidemiology triangle for chronic diseases and behavioral disorders.
- Distinguish between crude and adjusted rates and be able to age adjust rates using the direct or indirect methods.
- Interpret graphs, tables, and numerical methods for describing population health data.
- Effectively communicate a population health problem using graphs and tables.
- Identify who is at greatest risk for selected health related events.
- Identify multiple risk factors associated with common chronic disease and conditions.
- Describe aspects of screening and diagnostic tests.
- Describe the roles of chance, bias, and confounding in statistical associations.

### Course Activities

#### Readings

Each lesson covers one chapter in the textbook, Introduction to Epidemiology . Check each lesson for your reading in the textbook.

#### Lectures

Each lesson has a narrated lecture and a transcript. Lectures are narrated by Myron Falken, PhD MPH and cover the topics that are also in the reading.

#### Quizzes

Each lesson has a quiz that covers the chapter content. You have one attempt at each quiz.

**Homework**

Homework is written assignments. You will find each lesson's homework questions in the course content.

**Discussions**

There is a discussion question in each lesson. These are not graded but your participation is highly recommended. There is no due date for discussions.

**Midterm and Final Exams**

You will have one attempt at the Midterm and one attempt at the Final. These are each worth more than the Quizzes.

**Grading Policy**

Number	Type	Total Percentage of Grade
12	Homework	40
12	Quizzes	40
12	Discussions	0
1	Midterm	10
1	Final	10

**Grading Scale:**

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F below 60%