



# North Central Michigan College Master Course Syllabus

## PART 1:

Course Name: Pharmacology for Allied Health

Course Number: AH 180

Credit Hrs. 3      Lecture Hrs. 3      Lab Hrs. 0      Clinical Hrs. 0      Variable Hrs. 0

Total Hours of Instruction: 3      Total Contact Hours: 52.8  
(Total Contact hour's formula: (lecture hrs. + lab hrs. + clinical hrs) x 17.6)

### Course Description:

An applied pharmacology course designed for the Allied Health student. Emphasis is on safe, accurate administration of medications typically given in an allied health setting. The student will acquire knowledge of drug actions, major side effects, and techniques of administration.

Prerequisite (s): B 104 or MATH 108 or above; AH 130 or BIO 133 or BIO 235

Co-requisite (s): None

### Course Objectives:

1. Define the allied health professional's responsibilities in the legal aspect of drug administration
2. Identify and define general actions and side effects of each drug classification
3. Recognize medication abbreviations and parts of the doctor's medication order and/or prescription
4. Compute doses accurately for oral, topical and parenteral medications
5. Demonstrate proper technique for administering medications and documenting medications given

Reasonable accommodations can be provided for students with documented disabilities. Please contact Learning Support Services to arrange for these (231)348-6687 or (231)348-6817, Room 533 SCRC.



# North Central Michigan College Master Course Syllabus

## PART 2:

### Course Objectives and Linked Lumina DQP Outcomes

See **PART 3** of this syllabus for the complete language of each Lumina DQP outcome.

Please identify the Lumina DQP outcome(s) supported by the course objectives. List each course objectives (from **PART 1**), followed by the corresponding Lumina DQP Outcome number(s) in parentheses. (See the example.)

Example:

- Course Objective (DQP # 1, 5, 8)
  1. Define the medical assistant's responsibilities in the legal aspect of drug administration (DQP # 1, 6)
  2. Identify and define general actions and side effects of each drug classification (DQP # 1, 2)
  3. Recognize medication abbreviations and parts of the doctor's medication order and/or prescription (DQP # 1, 2)
  4. Compute doses accurately for oral, topical and parenteral medications (DQP # 3, 13)
  5. Demonstrate proper technique for administering medications and documenting medications given (DQP # 1,3)



# North Central Michigan College Master Course Syllabus

## Suggested Methods of Instruction:

Lecture, demonstration, return demonstration, videos, and case studies.

## Suggested Methods of Assessment and Evaluation:

Return demonstrations, skills test out examinations, drug cards, calculation examinations, tests

## Adopted Text at Time of Course Adoption/Revision:

*Essentials of Pharmacology for Health Occupations* 7th Edition – Woodrow  
ISBN-13: 978-1-285-07788-8

## Topics Covered During the Semester:

*Sequence of topics and time allowance are at the discretion of the instructor*

Week	Discussion Chapters	Homework/ Other	Tests
1	1 & 2		
2	3, 4, & 5	Medical abbreviations assignment	
3	6 & 7	Six Rights	
4	8 & 9		
5	10	Medication Administration Lab and Check off	
6			Part 1 Exam Chapters 1-10
7	11 & 12	Objectives assignment	
8	13 & 14	Objectives assignment	
9	15 & 16	Objectives assignment	Chapters 11-14
10	17 & 18	Objectives assignment	
11	19 & 20	Objectives assignment	Chapters 15-18



# North Central Michigan College Master Course Syllabus

12	21 & 22	Objectives assignment	
13	23 & 24	Objectives assignment	Chapters 19-22
14	25 & 26	Objectives assignment	
15	27 Exam Review		Chapters 23-26
16			Part 2 Exam Chapters 11-27

Part 1 & Part 2 approved by CRDAP on: 03 10 17

Part 2 approved by AD:

Date:

Part 2 approved by CRDAP Chair:

Date:

Rev02/15



# North Central Michigan College Master Course Syllabus

## **PART 3:**

**LUMINA DQP OUTCOMES** – Use this reference sheet for **PART 2** of Master Course Syllabus.

### **Specialized Knowledge**

1. Describes the scope and principal features of the field of study, citing at least some of its core theories and practices, and offers a similar explication of at least one related field.
2. Illustrates contemporary terminology used in the field.
3. Generates substantially error-free products, reconstructions, data, juried exhibits or performances as appropriate to the field.

### **Broad Integrative Knowledge**

4. Describes how existing knowledge or practice is advanced, tested and revised
5. Describes and examines a range of perspectives on key debates and their significance both within the field and in society.
6. Illustrates core concepts of the field while executing analytical, practical or creative tasks.
7. Selects and applies recognized methods of the field in interpreting characteristic discipline-based problems.
8. Assembles evidence relevant to characteristic problems in the field, describes the significance of the evidence, and uses the evidence in analysis of these problems.
9. Describes the ways in which at least two disciplines define, address and interpret the importance of a contemporary challenge or problem in science, the arts, society, human services, economic life or technology.

### **Intellectual Skills – Analytic Inquiry**

10. Identifies, categorizes and distinguishes among elements of ideas, concepts, theories and/or practical approaches to standard problems.

### **Intellectual Skills – Use of Information Resources**

11. Identifies, categorizes, evaluates and cites multiple information resources necessary to engage in projects, papers or performance in his or her program.

### **Intellectual Skills – Engaging Diverse Perspectives**

12. Describes how knowledge from different cultural perspectives would affect his or her interpretations of prominent problems in politics, society, the arts and/or global relations.

### **Intellectual Skills – Communication Fluency**

13. Presents accurate calculations and symbolic operations, and explains how such calculations and operations are used in either his or her specific field of study or in interpreting social and economic trends.
14. Presents substantially error-free prose in both argumentative and narrative forms to general and specialized audiences.

### **Applied Learning**

15. Describes in writing at least one substantial case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; applies that learning to the question; and analyzes at least one significant concept or method related to his or her course of study in light of learning outside the classroom.
16. Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question.

### **Civic Learning**

17. Describes his or her own civic and cultural background, including its origins and development, assumptions, and predispositions.
18. Describes diverse positions, historical and contemporary, on selected democratic values or practices, and presents his or her own position on a specific problem where one or more of these values or practices are involved.
19. Takes an active role in a community context (work, service, co-curricular activities, etc.), and examines the civic issues encountered and the insights gained from the community experience.

The Degree Qualifications Profile was adopted by CRDAP: April 11, 2012