

North Central Michigan College

NCMC MASTER COURSE SYLLABUS

Last Date Revised 10/2/08

DIVISION/AREA: Allied Health

DEPARTMENT:

ASSOCIATE DEAN: Barbara Bokram

ORIGINATOR: Barbara Bokram/Deanna
Klosinski

DEAN OF INSTRUCTION: Dr. Timothy Dykstra

HOURS OF INSTRUCTION:

Credit hours: 4

Lecture: 2

Lab:4

Contact hours: 105.6

COURSE TITLE: Phlebotomy 101

COURSE ALPHA: PHLB

COURSE NUMBER: 101

CATALOG DESCRIPTION: Prepares students for the role of the phlebotomist and to be a member of the health care team. Infection, quality assurance and safety, specimen collection techniques for venipuncture and capillary puncture, legal and ethical and professional conduct will be presented. Students will practice techniques for handling, collecting, and processing blood and non-blood specimens for laboratory analysis.

PREREQUISITE(S): High School Graduate, at least 18 yrs of age. COM 170 Interpersonal Communication, OAS 116 Medical Terminology and AH 130 Body Systems and Disease completed with a grade of C+ in each.

COREQUISITE(S):

GENERAL EDUCATION DISTRIBUTION AREA: N/A

GENERAL EDUCATION/PROGRAM OUTCOMES:

- Think critically and Analytically
- Independently acquire knowledge

COURSE OBJECTIVES AND OUTCOMES: Students successfully completing this course will be able to:

- Demonstrate knowledge of the health care delivery system and medical terminology.
- Demonstrate knowledge of infection control and safety.
- Demonstrate basic understanding of the anatomy and physiology of body systems and anatomic terminology in order to relate major areas of the clinical

laboratory to general pathologic conditions associated with the body systems.

- Demonstrate understanding of the importance of specimen collection and specimen integrity in the delivery of patient care.
- Demonstrate knowledge of collection equipment, various types of additives used in specimen containers, essential special precautions, and substances that can interfere in clinical analysis of blood constituents.
- Follow standard operating procedures to collect specimens, including safety, universal precautions, and confidentiality.
- Demonstrate understanding of requisitioning, using computers, specimen handling and transport and specimen processing.
- Demonstrate understanding of quality assurance and quality control in phlebotomy.
- Demonstrate career basic, entry-level phlebotomy skill in blood collection techniques.
- Communicate (verbally and nonverbally) effectively and appropriately in the workplace.

METHODS OF INSTRUCTION: Lecture, laboratory activities and exercises, assignments, projects.

METHODS OF EVALUATION: Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, journals, assessment checklists, projects, laboratory exercises and examinations, presentations, simulations, homework assignments, and instructor observations.

REQUIRED TEXT AT TIME OF COURSE ADOPTION/REVISION:

TEXTS: Phlebotomy Essentials, 2008, 4ed, McCall and Tankersley, Lippincott Williams & Wilkins, textbook
Phlebotomy Essentials Workbook, 2008, 4th ed, McCall and Tankerlsey, Lippincott Williams & Wilkins

OPTIONAL SUPPLEMENTARY MATERIALS:

Reasonable accommodations can be provided to students with documented disabilities. Please contact Learning Support Services at 348-6817 to arrange these.

SUGGESTED TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

(List general content description of what is being covered each week)

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| WEEK 1 | Health Care Delivery System Professionalism Interpersonal/Communication Skills |
| WEEK 2 | Legal/Ethical Issues of Phlebotomy and Specimen Collection Review of relevant Medical Terminology |

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COURSE TITLE AND NUMBER: PHLEBOTOMY I, PHLB 101

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| WEEK 3 | Review Basic Anatomy and Functions of Major Body Systems Basic Anatomy of Sites Phlebotomy is Performed |
| WEEK 4 | Phlebotomy Equipment, Collection Reagents, and Chemical Substances Laboratory Tests Lab Practice |
| WEEK 5 | Infection Control/Standard Precautions Safety Measures with Phlebotomy Equipment and Specimens Lab Practice |
| WEEK 8 | Proper Technique for Venipuncture and Capillary Puncture Lab practice |
| WEEK 9 | Technique review Lab Practice |
| WEEK 10 | Clinical Orientation Lab Practice |
| WEEK 11 | Technique review Lab Practice |
| WEEK 12 | Handling and Preventing Physiologic Complications related to Blood Collection Lab Practice |
| WEEK 13 | Technique review Lab Practice |
| WEEK 14 | Specialized Tests and Collection Procedures Lab Practice |
| WEEK 15 | Quality Assurance and Risk Management Lab Practice |
| WEEK 16 | Final review and Examinations |

APPROVED FOR ADOPTION/REVISION BY THE CRD/AP COMMITTEE ON 10/15/08