



Wayne County Community College District

COURSE SYLLABUS

HMD 130 Surgical Principles of Peritoneal and Vascular Access

CREDIT HOURS: 3:00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course describes the three main types of vascular access. It presents to students basic anatomy of human systemic, pulmonary, and portal circulation systems; identify the predialysis assessments for all types of vascular access, describe the methods of needle insertion for AVFs and grafts; accessing procedure, exit site care, and monitoring of vascular catheters. Also presents to students basic principles of surgical sterile technique, surgical instruments, medical devices, and step-by-step surgical techniques for AVFs and AV graft placement.

PREREQUISITES: NONE

EXPECTED COMPETENCIES:

Upon completion of this course, the student will be familiar with:

- Describe the three main types of vascular access.
- Identify the predialysis assessments for all types of vascular access.
- Describe the methods of needle insertion for AVF's and grafts.
- Describe the predialysis assessment, accessing procedure, exit site care, and monitoring of catheters.

ASSESSMENT METHODS:

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A

80%-89.9%= B

70%-79.9%= C

60%-69.9%= D

<60% = E