



Wayne County Community College District

COURSE SYLLABUS

BET 210 – Bio-Medical Instrumentation and Safety II

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course is designed to provide students with knowledge on how to properly manage and maintain medical equipment in the hospital setting. Fundamental principals related to Bio-Medical Equipment Repair Technology will also be discussed in this course.

PREREQUISITES: BET 110

EXPECTED COMPETENCIES:

Upon successful completion of the course, the student will able to:

- Identify the roles within the Bio-Medical Profession
- Demonstrate an understanding of how to utilize a Watt Meter.
- Demonstrate an understanding of how to utilize an Electrosurgical Analyzer.
- Demonstrate an understanding of how to conduct an ECG.
- Demonstrate an understanding of how to utilize an infusion Tester.
- Illustrate the necessary steps to obtain accurate Pulse Oximetry readings.
- Illustrate the necessary steps to obtain accurate Blood Pressure readings

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