Wayne County Community College District

COURSE SYLLABUS

ANE 110   Anesthesia Technology Instrumentation

CREDIT HOURS: 4.00

CONTACT HOURS: 90.00

COURSE DESCRIPTION:
This course focuses on the instrumentation utilized in providing anesthesia, hemodynamic monitoring equipment; function, application and troubleshooting. Invasive and non-invasive, emergent and nonemergent. Advanced knowledge of Anesthesia machine will be discussed and examined as well as intubation equipment techniques and emergency responses. Students will set up and learn the use of complex Anesthesia equipment. Students will diagnosis and troubleshoot minor repairs of Anesthesia equipment for proper function and maintenance. Students will demonstrate, cleaning, documentation, safety and asepsis. Students will explore policies and standards for quality assurance and process improvement. In addition students will identify the various Regulatory Associations and credentialing in Anesthesia Technology.

PREREQUISITES: ANE 105

LEARNING OUTCOMES:
Upon successful completion of this course, the student will:
- Explain the basic understanding of Ethics, Layout, Anesthesia Equipment in the operating theater.
- Describe the technique of receiving, shifting and handling over patients to Wards and Recovery Room.
- Understand the positioning of patients in different operations and anesthesia
- Discuss the principles of IV line, fluids, transfusion and C.P.R. and the laying out of instrument trolleys for different operations.
- Explain routine care and maintenance of surgical instruments, equipment, endoscopes Anesthetic Machines, Monitors etc.
- Discuss the sterilization of OT Room, Instruments, Endoscopes, CSSD.
- Describe disposal of waste, collection and sending of different samples for examination from OT.

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