COURSE TITLE	**TE142469: Clinical Engineering** Credits: 2 ELECTIVE COURSE
LEARNING OBJECTIVES	By the end of this course, the student should be able to understand the hospital organization system for patient, medical doctor and management and supported systems.
COMPETENCY	• Students have understanding about health management information system and hospital organization structure related to the maintenance of the hospital facilities. • Students have understanding about safety program for patient, medical doctor, operator and also equipment. • Students are able to design a patient integrated physiology monitoring system.
SUBJECTS	• Hospital organization structure, rules, standard, code and information handling in hospital • Ethical, professional and legal aspects, medical equipment safety and handling • Electromagnetic interference • integrated clinical information system.
MAIN REFERENCES	• Clinical Engineering Principles and Practices, J.G. Webster, A.M. Cook • Clinical Engineering Principles and Application in Eng. Series, Y. David, J.D. Bronzino • Clinical Engineering Handbook, J. F. Dyro
OPTIONAL REFERENCES	-
PREREQUISITE	-