



National University of Sciences and Technology

Course Description

Course Title Medical Device Design and Standards	Course Code ME 833	Credit Hours 3 – 0
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Textbook:

- “Reliable Design of Medical Devices” by Richard C. Fries

Course Objective:

- The course is to provide knowledge about medical devices and their design. Emphasis will be given on the design considerations for instruments used in healthcare.

Course Outline:

- Introduction to medical devices, medical device design basics, medical device standards and regulations, domestic standards, international standards, specifying and designing the products, testing and data analysis. With the assistance of faculty, students finalize product designs or complete detailed design evaluations of new medical products and bioethics issues.

ASSESSMENTS

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester Exam	40-50%