

EE 211- Electrical Measurements and Instrumentation (1)

CREDIT HOURS

3 Hours

CONTACT HOURS (Hours/week)

Lecture: 2; Tutorial: 2; Lab: 2

COURSE COORDINATOR

Prof. Hassan Ibrahim

TEXT BOOK:

J.B. Gupta, "A Course in Electronic and Electrical Measurements and Instrumentation",
Prentice- Hall

COURSE DESCRIPTION:

Accuracy of measurement and error analysis. Absolute and secondary instruments and indicating instrument. Moving coil and moving iron instruments. Dynamometer type instruments. Induction type instruments. Wattmeter of Measuring of power and power factor. Bridges (DC). Bridges (AC). Current and potential transformers. Oscilloscopes.

PREREQUISITE:

EE 231

RELATION OF COURSE TO PROGRAM:

Required

COURSE INSTRUCTION OUTCOMES:

The student will be able to perform experiments to determine various types of errors in measurements.

The students will be familiar with various measuring instruments used to detect electrical quantities.

TOPICS COVERED:

- Accuracy of measurement and error analysis
- Absolute & secondary
- Moving coil
- Dynamometer
- Induction instruments
- Measurement of active power and power factor
- DC and AC bridges
- Current and potential transformers
- Oscilloscope.

Course Syllabus Measurements And Instrumentation

Léo Pomar



Course Syllabus Measurements And Instrumentation:

Course Syllabus Measurements And Instrumentation Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the energy of words has be much more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such may be the essence of the book **Course Syllabus Measurements And Instrumentation**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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