

COURSE OUTLINE

BASICS OF ELECTRICAL INDUCTION MOTORS - STARTING AND CONTROL

- 1 OVERVIEW OF COURSE

- 2 BASIC CONCEPTS
 - 2.1 Voltage, Current, Impedance and Power
 - 2.2 Induction
 - 2.3 Introduction to Polyphase Motors.
 - 2.4 Introduction to Single phase Motors.

- 3 STARTING AND CONTROL OF INDUCTION MOTORS
 - 3.1 Starting and Reversing Induction motors
 - 3.2 Speed and Torque Control of Induction motors

- 4 INDUCTION MOTOR STARTERS
 - 4.1 Full Voltage Starters
 - 4.2 Reduced Voltage Starters
 - 4.3 Solid State Starters and Controllers

- 5 REVIEW OF CONTROL WIRING DRAWINGS
 - 5.1 Variations to the DOL Starter
 - 5.2 Reduced Voltage Starters
 - 5.3 Reversing Starters
 - 5.4 2-Speed Starters