COURSE TABLE OF CONTENTS

Centrifugal Pumps

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: MMS-200

COURSE MODULES & TOPICS

Objectives

- Identify the major components of a centrifugal pump and describe its function
- Explain the operation of a centrifugal pump
- Identify and state the function of the various centrifugal pump components
- Classify centrifugal pumps as to position, impeller design, number of stages, and direction of flow
- Discuss factors affecting pump performance
- Explain how slip effects the operation of a centrifugal pump
- Draw and label simple pump curves
- Define net positive suction head and cavitation

Prerequisites

- Understanding of mechanical theory and mechanical systems

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course
- Lab Guide includes the hands-on exercises

Next Level Learning

- Positive Displacement Pumps course (MMS-205)

Course Agenda

Day 1

- Introduction Exam
- Centrifugal Pump Laws
- Pump Terminology
- Lab Exercises

Day 2

- Pump Components

- Pump Performance
- Lab Exercises

Day 3

- Maintenance, Disassembly, and Assembly
- Lab Exercises
- Review
- Written Exam