Eastern WV Community & Technical College
Master Course Record

Course Prefix and Number: WTT 101
Course Title: Introduction To Maintenance Technology
Recommended Transcript Title: Introduction To Maintenance Technology
Date Approved/Revised: 12/22/14; 11/6/17
Credit Hours: 2 **Contact hours per week (Based on 15 week term):** 2 **Lecture:** 2 **Lab:**
Prerequisite: None **Corequisite:** None **Pre/Corequisite:** None
Grading Mode: Letter Grade
Catalog Description: This course introduces the student to all aspects of maintenance technologies. Mechanical and electrical maintenance practices, data acquisition, safety procedures, and other technical methods of performing industrial maintenance will be discussed. This course will assist students in determining their career path in the power generation and maintenance industries.
Course Outcomes: 1. Explain OSHA definitions, purpose and safety procedures 2. Identify proper use and care of hand tools 3. Demonstrate operation and use of electrical test equipment 4. Describe proper climbing techniques and use of climb safety equipment 5. Use thermal cameras for inspections of mechanical and electrical equipment 6. Understand electrical motor operation and maintenance **7.** Understand mechanical drives and system maintenance
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) □ **General Education Core (Specify category)** Ξ **Technical Core:** Wind Energy Technology □ **Restricted Elective (Specify Program)** □ **General Elective** □ **Workforce Education** □ **Other (Please specify)**
Course Fee: None
Instructor's Qualifications: Bachelors Degree in engineering or related technical field or industry recognized credentials and experience.
Expanded Course Description: This course introduces the student to all aspects of maintenance technologies. Mechanical and electrical maintenance practices, data acquisition, safety procedures, and other technical methods of performing industrial maintenance will be discussed. This course will assist students in determining their career path in the power generation and maintenance industries.

Prepared by: Ward Malcolm, 12/03/14

Revised by: Eric Putze, Advanced Manufacturing/Wind Energy Faculty, 11/6/17

Approved by:
Robert Eagle 7-20-10 (SB-G)

Dean, Academic Services Date