CPT104 Maintenance Training Syllabus

Course Information

Credits 3
Campus Washburn Institute of Technology
Address 5724 SW Huntoon
City/State/Zip Topeka, Kansas 66604
Office Fax 785-273-7080

Description
Preventive maintenance and production housekeeping are very important aspects of equipment operations. In this course the student will learn how to monitor production equipment for both routine and preventive maintenance.

Textbooks
Manufacturing Applications ISBN: 0-07-861183-0

Student Learning Outcomes:
A. Communicate effectively
B. Integrate technology
C. Learn effectively
D. Demonstrate cooperative teamwork skills
E. Apply safety in the workplace
F. Think critically and creatively
G. Demonstrate responsible work ethics

Competencies
1. Perform preventive maintenance and routine repairs to production equipment
2. Monitor for indicators to ensure proper production equipment operations
3. Perform housekeeping to maintain production schedules
4. Identify potential maintenance issues with basic production systems.
5. Identify potential electrical system issues which will require maintenance personnel to correct
6. Identify potential pneumatic system issues which will require maintenance personnel to correct
7. Identify potential hydraulic system issues which will require maintenance personnel to correct
8. Identify potential machine automation system issues which will require maintenance personnel to correct
9. Identify potential lubrication processes issues which will require maintenance personnel to correct
10. Identify potential bearings and coupling issues which will require maintenance personnel to correct
11. Identify potential belt and chain drives issues which will require maintenance personnel to correct
Guidelines for Success

Assessment Plan
Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution’s technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Rational and Grading Scale
A 93 - 100%
B 85 - 92%
C 76 - 84%
D 69 - 75%
F Below 69%

Attendance
This class is offered in part online. Students are expected to complete the online portions both in the classroom and on their own time. Some face-to-face instruction will also be provided. Students are expected to attend at least 90% of the face-to-face learning opportunities.

Make up Policy 1. Make up work is at the discretion of the instructor. 2. Consideration for makeup work will include a review of the student's attendance and academic habits. A consistent demonstration of abuses by a student and he/she will not receive considerations for make-up. 3. All guidelines for number of hours will follow WIT policy.

Disability
The Special Support Services (SSS) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST register and provide documentation with the office to be eligible for services. New requests for accommodations should be submitted two months or more prior to the date services should begin; however, contact the SSS Office as soon as a need may arise. Depending on the accommodation request, four to eight week lead time may be needed for timely and effective provision of services. SSS coordinates and assist in arranging services it deems appropriate of eligible students on a case-by-case basis.

If you are a student with a disability that may substantially limit your ability to participate in this class and believe you will need accommodations, it is your responsibility to contact:

Special Support Services Coordinator
Phone: 785-228-6356
E-Mail: ssscoordinator@washburn.edu