



**Introduction to Millwrighting/Stationary Mechanics
Centre for Northern Innovation in Mining**

COURSE OUTLINE

Introduction to Millwrighting/Stationary Mechanics

100 HOURS

0 CREDITS

PREPARED BY: _____

DATE: _____

APPROVED BY: _____

DATE: _____

Shelagh Rowles

Yukon University
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Introduction to Millwright/Stationary Mechanics

Centre for Northern innovation in Mining

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Introduction to Millwright/Stationary Mechanics

PROGRAM DESCRIPTION:

This 100-hour hands-on program provides the theory and skills necessary for graduates to safely begin introductory millwrighting.

ADMISSION REQUIREMENTS:

No pre-requisites

REQUIRED TEXTS AND SUPPLIES:

Students are expected to supply appropriate clothing and steel toe boots.

EVALUATION:

Students will receive a pass or fail based on participation, practical and written assessment in this course.

ATTENDANCE:

Participants are expected to attend each class on time, and ready to participate in class. If it is necessary to miss class, the instructor is to be contacted in advance.

ACADEMIC AND STUDENT CONDUCT:

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/ Admissions & Registration web page.

ELECTRONIC DEVICES:

To minimize distractions for others, cell phones, iPods and other electronic devices must be turned off while students are in class. In an emergency situation, or at the discretion of the instructor, a student may be given permission to use a cell phone.

APPROPRIATE LANGUAGE:

In all areas of the university environment students are responsible to show respect for others; swearing, or language that is discriminatory or derogatory in relation to race, sex, ethnic background, religious beliefs, age and physical condition is not appropriate.

LEARNING OUTCOMES & OBJECTIVES:

Students will be able to:

- Demonstrate an understanding of measuring, layout and tools.
- Demonstrate an understanding of bench work, fasteners and power tools.
- Demonstrate an understanding of machine operation.
- Demonstrate an understanding of seals and bearings.
- Demonstrate a basic understanding of metallurgy (building on content from welding module).
- Demonstrate a basic understanding of rigging equipment and procedures.
- Demonstrate an understanding of blueprints and specifications.
- Demonstrate an understanding of machine installation and alignment.
- Complete shop projects under supervision of instructor.

INSTRUCTOR(S) CREDENTIALS & EXPERIENCE:

- Journeyman(s) with relevant, current experience in millwright-stationary mechanics.
- Training and experience in instruction and adult education.

UPON COMPLETION:

Successful students will receive a Yukon University certificate of completion.