

Syllabus

MCHN 1325 – Millwright I

MCHN 1325 - CIP 4805010002

An introduction to millwright technology. A study of common millwright tools and fasteners. Development of skills in basic layout procedures, gasket making and installation and oxygen/ fuel cutting. Emphasis on safety in the accomplishment of these activities. NCCER credit available. **Credit Hours:** 3 (2 lecture, 2 lab)

TEXTBOOK OR COURSE MATERIAL INFORMATION

Materials for this class will be provided by the instructor. A student of this institution is not under any obligation to purchase a textbook from the college bookstore. The same textbook is/may also be available from an independent retailer, including an online retailer.

ACADEMIC HONESTY

Brazosport College assumes that students eligible to perform on the college level are familiar with the ordinary rules governing proper conduct including academic honesty. The principle of academic honesty is that all work presented by you is yours alone. Academic dishonesty, including, but not limited to, cheating, plagiarism, and collusion shall be treated appropriately. Please refer to the Brazosport College Student Guide for more information. This is available online at <http://www.brazosport.edu> (Click on the link found on the right side of the homepage).

Academic dishonesty violates both the policies of this course and the Student Code of Conduct. In this class, any occurrence of academic dishonesty will be referred to the Dean of Student Services for prompt adjudication, and may, at a minimum, result in a zero in this course. Sanctions may be imposed beyond your grade in this course by the Dean of Student Services.

STUDENTS WITH DISABILITIES

BC is committed to providing equal education opportunities to every student. BC offers services for individuals with special needs and capabilities including counseling, tutoring, equipment, and software to assist students with special needs. Please contact Phil Robertson, Special Populations Counselor at 979-230-3236 for further information.

The Brazosport College District shall not discriminate against, or exclude from participation in any benefits or activities either on the staff or in the student body, any person on the grounds of sex, race, color, religion, national origin, age, or handicap.

OTHER STUDENT SERVICES INFORMATION

This list is provided to assist students locate available services. Information about the Brazosport College Library is available at <http://www.brazosport.edu/sites/CurrentStudents/Library/default.aspx> or by calling (979) 230-3310.

Tutoring for math, reading, writing, biology, chemistry, and other subjects is available in the Learning Assistance Center (LAC). See www.brazosport.edu/sites/CurrentStudents/LAC/default.aspx or call (979) 230-3253. To contact the Computer Technology & Office Administration Department, call (979) 230-3229.

The Student Services area provides the following services:

Counseling and Advising	230-3040
Financial Aid	230-3294
Student Activities	230-3355

To reach the Information Technology Department for technical assistance, call the Helpdesk at (979) 230-3266.

Millwright I

Millwright I is an introduction to Craft Orientation, Millwright Handtools, Fasteners, Layout, Gaskets, and Oxyfuel cutting.

Text: Millwright modules 15101, 15102, 15103, 15104, 15105, & 15106

Aug 27 Check rolls, Handout books, Overview of schedule, class policies, tour, safety review

Sept 3 **LABOR DAY HOLIDAY NO CLASS**

Sept 10 Module 15101 Craft Orientation **Test**, Module 15102 Millwright Handtools, Lab # 1

Sept 17 Module 15102 Millwright Handtools, **Test** Millwright Handtools

Sept 24 Module 15103 Fasteners, Handout Fastener Sequence & Torque Chart

Oct 1 Module 15103 Fasteners

Oct 8 Module 15103 Fasteners, **Test** Module 15102, Module 15103 Basic Layout, Lab II

Oct 15 Module 15104 Basic Layout, CE # 2 Layout

Oct 22 Module 15104 Basic Layout, Lab II, Module **Test**

Oct 29 Module 15105 Module 15105 Gaskets

Nov 5 Module 15105 Gaskets, Module 15105 Gaskets **Test**, Lab # 3 Cutout Gasket

Nov 12 Module 15106 Oxyfuel Module, CE # 3 Oxyfuel Setup

Nov 19 Module 15106 Oxyfuel Module, Lab III,

Nov 26 Oxyfuel **Test**, Lab # IV Oxyfuel

Dec 3 **Review for final, All class work, homework, projects, module test, lab work turned in**

Dec 10 **Final Exam**

Homework: Will consist of all review questions in modules 15102, 15103, 15104, 15105, & 15106. **Homework will be due the night of the module test, If turned in after the scheduled due date a reduction of 1 letter grade.** Name and module number should be on the homework paper.

Grading:

Module Exams	- 20%
Homework	- 20%
Class Projects	- 20%
Lab Project	- 20%
Final Exam	- 20%

There will be 4 lab projects for the semester: Hand Tools, Basic Layout, Cutting and Fitting Gaskets, and Oxyfuel Cutting.

There will be 3 Class Exercises.

Module test taken after the scheduled date will have a reduction of 1 letter grade.

ATTENDANCE AND WITHDRAWAL POLICY

Withdrawals are the responsibility of the student, see college catalog.

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