

Syllabus

MCHN 1380

Cooperative Education – Machine Technologist

Machine Technology

BRAZOSPORT COLLEGE

LAKE JACKSON TEXAS

PREPARED BY: Mic Comley
INSTRUCTOR

DATE: September, 2015

RECOMMENDED BY: _____
DIVISION CHAIRMAN

DATE: _____

APPROVED BY: _____
DEAN

DATE: _____

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BRAZOSPORT COLLEGE
500 COLLEGE DRIVE
LAKE JACKSON, TEXAS 77566

MCHN 1380

COOPERATIVE EDUCATION – MACHINE TECHNOLOGIST

COURSE DESCRIPTION

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and the student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. **Credit Hours:** 3 (1 lecture, 20 lab)

COURSE FOCUS

Documentation and validation of learning experiences while in a cooperative education experience.

TEXT AND REFERENCES

ADDENDUM B	MACHINIST TRAINING PLAN
ADDENDUM C	WEEKLY WORK EXPERIENCE FORM
ADDENDUM D	TRAINING AGREEMENT
ADDENDUM E	PERIODIC RATING

COURSE GOALS

The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives (Addendum A). (*designates a CRUCIAL goal)

1. list sources of training in Machinist
2. identify learning experiences on the job
3. identify areas of required additional training
4. identify experiences using trade tools
5. identify experiences using trade machines
6. identify experiences handling materials of the trade
7. identify experiences completing associated trade experiences
8. describe the occupational outlook for the trade

9. list desirable qualities an employer seeks
10. list reliable job sources

STUDENT CONTRIBUTIONS

Students are expected to attend regularly scheduled classes. They should complete all reading and outside class assignments prior to the scheduled meetings. The student will complete weekly work experience reports and keep the coordinator informed of on-the-job situations effecting learning experiences. Students will be asked to complete an Instructor/Course Evaluation at the end of the course.

COURSE EVALUATION

Grades will be based on the following criteria:

Supervisor's Rating	5%
Weekly Work Experience Forms	37.5%
Coordinator's Rating	7.5%
Weekly Class Assignments	30%
Final Examination	20%

A = 100 - 90

B = 89 - 80

C = 79 - 70

D = 69 - 60

F = 59 and below

COURSE SCHEDULE

The class meets for 1 lecture hour and 20 lab hours as served on-the job per week.

ADDENDUM A

PERFORMANCE OBJECTIVES

1. The student will not be allowed references. Content goal 1 should be used as a study guide. The student will list sources of training in the Machinist field. Performance will be satisfactory if the student can list 60% of the sources identified in class.
2. Using job assignments the student will complete a minimum of 15 weekly work experience forms. Content goals 2 - 7 should be used as reference. Performance will be satisfactory if the student scores a minimum of 45 out of the 75 available points.
3. The student will not be allowed references. Content goals 8 - 10, should serve as a study guide. The student will take a coordinator administered test. Performance will be satisfactory if the student scores a minimum of 60%.