THEA 450 – METAL FABRICATION – SPRING 2016

Class times: W, 2:00-4:15pm
Class location: Comm. 1057 Scene Shop
Subject to Change: Make certain you have the latest version. This is version 1.0 8/11/2014

Instructor: Thomas K. Fagerholm
Cell: 651-341-3926
Office: Comm. Bldg. 2234
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Office Hours:

Required Text:

Course Supplies
- Textbook
- Notebook and writing implement
- Personal welding equipment (recommended, but optional)

Fees:
- There will be a $40 lab fee collected for this course. During this course many perishable items and supplies will be consumed. With this money, all non-personal safety equipment, practice metals and welding shop perishables will be purchased. This lab fee will be collected no later than February 3rd. All students who have not paid by the end of this day will be dropped from the course unless prior arrangements have been made with the instructor. All payments should be made to the SIUC Dept. of Theater.

Class Objectives
- Provide an introductory study of the knowledge and practice of the various welding processes for the stage as well as an understanding of the theater practitioner’s responsibility to the quality and safety of their projects.

Course Content
- Course will consist of lectures, demonstrations with discussions, written assignments, and projects.

Course Outcomes
Students successfully completing this course must be able to:
- **Demonstrate**, through discussions, projects, practical exams and a final exam, a familiarity with and understanding of metal fabrication as it pertains to theater.
- **Demonstrate**, through discussions, projects, practical exams, and a final exam, a familiarity with and understanding of various welding techniques for theater.
- **Demonstrate**, through discussions, projects, and exams, an understanding and familiarity of the tools necessary for metal fabrication and welding.

Lab Groups:
Each student will be assigned a Lab group. This group is responsible for meeting outside of the class for a minimum of 3hrs per week. The purpose of this group is to allow students to work outside of class on the techniques demonstrated during the class period and also to complete the projects due for the course. There are two rules that apply to the welding shop during evening and weekend hours:
1. Absolutely NO ONE may work on a welding project alone. Someone else must be present for safety reasons.
2. One person that must be present is a student that is on University payroll (graduate or work-study student)

Participation: Participation includes attendance, and a positive attitude toward the work. Students are expected to behave in a professional manner, challenge themselves, and actively engage in classroom discussions and application of course materials.

Late work: Late work is not accepted. Anyone who comes to class with absent or incomplete work will receive a failing grade for that assignment.
Method of Evaluation:

- Project A – Rebar 10%
- Project B – (Caster Plates or brazing) 10%
- Project C – Layout 10%
- Project D – Trophy 15%
- Project E – Shop Project 20%
- Oxyacetylene/ARC Practical 5%
- Jig/Layout Practical 5%
- Mig Welding Practical 5%
- Written Final Exam 20%

Total Possible = 100%

The instructor reserves the right to adjust the student's final grade by a half letter based on his perception of that student's demonstrated growth in knowledge as well as the quality of the student's class participation.

Attendance:

- Attendance and participation is required and will be reflected in the final grading.
  - The student is responsible for all lecture and reading material.
  - Professionalism is expected: Must be punctual and prepared. Coming to class unprepared (i.e. without the tools or clothing needed to work) will be considered an unexcused absence.
  - A student’s final grade will be lowered 1.5% for each absence, and .5% for each late arrival to class.
  - DO NOT come to class sick or under the influence of drugs (including prescribed medications that might cause drowsiness), alcohol, stimulants, etc. If you are suspected of being "Under the influence" you will be asked to leave and a report will be filed with the Chair.

REMEMBER: Call or email at least 2 hours before class if you will be tardy or absent.

Syllabus change policy:

- This syllabus is a guide for the course and is subject to change with advanced notice.