Construction 10/20 – Course Outline

Weber 2013 Semester 2

\*\*THURSDAY/FRIDAY every other TUESDAY\*\*

**Marking Breakdown**

25% - Performance and Safety

25% - Theory

25% - Lab Work

25% - Module Product/Final Project

**Student Expectations:**

All students are expected to work diligently and safely at all times. Safety in the workshop is of the utmost concern. If at any time a student is compromising the safety of themselves or of others, they will be removed from the shop. Continual infractions of this kind will result in permanent removal from this course.

Respect for self, equipment, instructors and other students is also an extremely important part of the workshop environment. Violators will be dealt with immediately and potential for administrative involvement is possible.

Construction 10 – 3 Credits

**Rationale**:

Construction 10 students will develop a deep understanding of shop safety and worksite safety. They will learn about simple hand tools and work towards creating products of high quality and craftsmanship.

**Modules**:

CON1010 – Construction Tools and Materials

- Description: Students develop basic hand tool and production skills to transform common building materials safely into useful products.

CON1130 – Solid Stock Construction

-Description: Students develop basic hand and power tool skills to build a product made from solid wood.

CON1180 – Mould Making and Casting

* Description: Students apply knowledge of cating and moulding materials and processes to prepare a m ould and produce a casting

Construction 20 – 3 Credits

**Rationale**:

Construction 20 students will develop a deep understanding of craftsmanship and advanced worksite safety. They will learn about advanced power tools and wood lathe as well as a review of hand tools and work towards creating products of high quality and craftsmanship.

**Modules**:

CON1140 – Turning Operations

* Description: Students use wood turning equipment and techniques to create a faceplate and spindle turning made from solid and /or built-up stock

CON1130 – Solid Stock Construction

-Description: Students develop basic hand and power tool skills to build product made from solid wood.

CON1180 – Mould Making and Casting

* Description: Students apply knowledge of cating and moulding materials and processes to prepare a m ould and produce a casting

\*\*We look forward to a successful and safe semester for all students!\*\*

* Mrs. Kate Weber and Mr. Tyler Weber

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