INDUSTRIAL DESIGN PROGRAM

570-37A-DW/01 Prototyping 3 – Term 3

PROTOTYPING POWERPOINT PRESENTATION

BACKGROUND

This prototyping project provides you with a set of technical drawings and point form step-by-[illegible] prototyping model of the [illegible]. This [illegible] prototype and to provide for skill-building practice with basic lathe and milling machine operations.

[illegible] introductory lectures, [illegible] their set-up and safe operation practices [illegible].

SCENARIO

[illegible] of a new scriber hand tool that will be produced for the North American market. [illegible] making a small quantity of scriber prototypes for a focus group [illegible] before they are put into production. As a result, they have asked you to produce a PowerPoint presentation outlining the steps required to manufacture the scriber by hand using conventional machine tools so that the machine shop employees may accurately reproduce them. The presentation may also be [illegible] company personnel.

[illegible]

1. [illegible] finish.

2. You need to tell a clear and exact part of the stock materials, machine set-up and transformation actions of [illegible] constructing the scriber.

3. Design and illustrate your presentation in a logical, step-by-step order with accompanying explanatory annotations (notes) to the images that will allow machine shop employees to completely understand your work method without any additional verbal input from you. Point form notations are acceptable. Your [illegible] comprehensible on its own. Clear, straight-forward written and visual communication, integrating appropriate technical terminology where applicable, is required.

OUTCOMES

1. Gauge students' understanding of the concept(s).

2. Help reinforce students' understanding and retention of [illegible] materials using [illegible] review and images.

3. Students gain competency in clearly and coherently writing for [illegible] through the [illegible] and documentation of an activity using a specific context.