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| SME Name: **Dan Franklin** | |  |  |  |
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| SME Phone Number: **401-654-0899** | |  |  |  |
| Course Title: **Machining** | |  |  |  |
| Syllabus & Module Evaluation Rubric | | | | |
| 1: Evident; 0; Not Evident; N/A = Not applicable | |  |  |  |
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| **A. Syllabus** | | | | |
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| **A1** | Syllabus includes basic elements of the course (e.g., course titel, credits, goals / objectives, learning outcomes, pre-requisites, course description) | 0 | 1 | N/A |
| **A2** | Course Text (required and optional) are listed on syllabus; supplementary materials and resources are provided if appropriate | 0 | 1 | N/A |
| **A3** | Assessment methods, grading policies and scale, and/ or other student measurement practices are described within the syllabus | 0 | 1 | N/A |
| **A4** | The Course Outline/ Schedule includes major topics, and activities | 0 | 1 | N/A |
| **Comments:** | |  |  |  |
|  | 1) This course, the best regionally, gives the students a hands-on environment to learn and demonstrate industry's time proven techniques in both CNC and manual machining. The equipment more than adequately provides the necessary platforms for learning all of the basics industry requires. |  |  |  |
|  | 2) With exceptional instruction, the knowledge gained will prepare the students to become productive immediately as basic to intermediate machinists. Special attention is given to understanding the norms of a machining environment; from understanding tooling requirements, operational process sequencing skills, and key quality performance indicators. |  |  |  |
|  | 3) Students graduating from this course will find many applications for their much sought after skill in many industries. Aerospace, aviation, and automotive (just to name a few) are using not only the machining skills but the soft skills taught during this course. Understanding the relationship of product flow from lathes to CNC mills, and why certain designs require different approaches is critical to being a valued team member in a machine shop environment. Demonstrating the manual processes prior to using the CNC's develops a "feel" for the removal of different metals. Understanding the relationship between "feed" and "speed" by feeling as well as instruction is a critical skill for all machinists. This course has a great blend of manual and automated processess. |  |  |  |