

Review notes by Aubrin Heinrichs CNC Machining Program Director Gallatin College in Bozeman, MT*

I created these notes because the rubric provided by REV Up was based on a Learning Management System (BrightSpace or Blackboard) not for in class instructional content and the content Highlands submitted was mostly program level data. **Highlands College Trades Programs are Face-to-Face Interactions with Students.**

*Please Note Comments Made in Red Refer to Edits/Changes/No Change at the Program Level by Highlands College from the Subject Matter Expert (Auburn Heinrichs) from Gallatin College.

Aerospace welding

Aerospace Welding Program Course Description

Looking over the Certificate it may be justified but it seems odd to me that the students are getting only 10 credits of welding over 24 total credits are in actual welding counting the internship.. Admittedly the support classes are very important (visual inspection QC, safety)

Lab Safety review

Lab safety syllabus looks acceptable but I don't see any advantage including the crc form in the OER submission. It would also help to have the MUS class designation on the syllabus. **CRC Form Not Included. No MUS Designation, Due to This Program Only Being Offered at Highlands College at This Time. Cannot Be Used for MIG Welding Courses.**

Precision GTAW

Precision GTAW syllabus looks good but again I don't see any advantage including the crc form in the OER submission even if it makes the world a better place. It would also help to have the MUS class designation on the syllabus. **CRC Form Not Included. No MUS Designation, Due to This Program Only Being Offered at Highlands College at This Time. Cannot Be Used for MIG Welding Courses.**

Quality Control, Blueprint Reading, and Precision Measurement

QBPM looks good but again less the CRC. It would also help to have the MUS class designation on the syllabus. **CRC Form Not Included. No MUS Designation, Due to This Program Only Being Offered at Highlands College at This Time. Cannot Be Used for MIG Welding Courses.**

Weld Visual Inspection

I am a little surprised to see this as a separate class rather than as an integrated module with in a class but the content is definitely important. Syllabus looks good.

Machining Syllabus

This is really hard to assess this content form looking at what was provided the texts are good but I have no way to judge what content is in which class and how those relate to the objectives. One Syllabus for six classes with almost know objectives makes the paper of low value to anyone. If you could break out six specific things you want the students to learn from each class for them to focus on. I know from teaching CNC machining that it can be overwhelming to students all of the things they need to know. Let alone the things we don't tell them they need to know at the beginning. So having a few focused points

to learn can help them see what they need to focus on in each class. This frame work that I bring them back to during the semester also helps them see they are learning. **Change Complete.**

New Metals Fab Degree-Machining Tract

On the surface this looks good but I cannot tell without individual class content and objectives. For example CNC1 could be a CAM, conversational or Operator class but I don't know from what is included making it unrepeatable by another school as a flow of classes. **Change Complete. See Machining: Fall Machining Syllabus.**

New Metals Fab Degree- Welding Tract

See note on new metals fab degree Machining tract above. **None.**

One Year Curriculum for Machine Shop

See note on new metals fab degree Machining tract above. **None.**

One Year Curriculum for Welding

See note on new metals fab degree Machining tract above. **None.**

Tier 1 Syllabus (please correct the spelling before submission.)

I like the layout of Syllabus and it clearly relates to the objective and the industry standards. Nice articulation of the content. **None.**

Tier 2 Syllabus (please correct the spelling before submission.)

I like the layout of Syllabus and it clearly relates to the objective and the industry standards. Nice articulation of the content. **None.**

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