Annual Department Report

Manufacturing Department
Welding Technology 931-932

Document Prepared By:
Michael Kiss

Year of Report
2011 – 2012
Please describe in detail your accomplishments for this past year. Your 2011-2012 Departmental goals are included on page 4. Data to support your information is required. This report serves to combine both Perkins reporting and year end departmental planning.

Accomplishments

Curriculum

1. CARPS Updates

   Please list the courses for which you updated or plan to update the CARP during the 2011/2012 academic year:
   - MN134 Oxyacetylene Welding
   - MN231 Welding Design and Testing
   -
   -
   -
   -

   Please list the courses for which you plan to update the CARP during the 2012/2013 academic year:
   - MN136 Basic Arc Welding
   - MN232 Technical Pipe Welding
   -
   -
   -

2. Program/Curriculum Changes

   Document the following for the 2011/2012 academic year. If something does not apply, indicate N/A:
   - New, revised or discontinued courses:
     MN134 Oxyacetylene Welding was approved to change from a 3CR/4CH class to a 2CR/2CH class beginning fall 2013.

     PERKINS PROGRAM IMPROVEMENT PROJECT? ☐ YES  X NO

   - New, revised or discontinued programs:
     N/A

     PERKINS PROGRAM IMPROVEMENT PROJECT? ☐ YES  ☐ NO

   - New, revised or discontinued certificates:
     N/A

     PERKINS PROGRAM IMPROVEMENT PROJECT? ☐ YES  ☐ NO

   - New, revised or discontinued degrees:
     N/A

     PERKINS PROGRAM IMPROVEMENT PROJECT? ☐ YES  ☐ NO
Courses or Programs approved for online:
N/A

PERKINS PROGRAM IMPROVEMENT PROJECT? □ YES □ NO

Highlight any new or exciting curricular or co-curricular activities within courses or programs:
Writing MN233 Welding Automation class to be offered winter 2013 and be included in degree in fall 2013.

PERKINS PROGRAM IMPROVEMENT PROJECT? □ YES □ NO

List any courses for which a Service Learning component has been added:
N/A

PERKINS PROGRAM IMPROVEMENT PROJECT? □ YES □ NO

List and new articulation or transfer agreements that have been developed:
MN230 TIG/MIG Welding now articulated to OAISD and Job Training Welding programs.

PERKINS PROGRAM IMPROVEMENT PROJECT? □ YES X NO

PERKINS REPORT COMPONENT: Describe the contributions of the Advisory Committee to program/course improvements: S:\School of Workforce Development\Workforce Development\PERKINS\Advisory Committees-2011-12\Welding
Advisory committee suggested changes listed above. The credits for MN134 and the new MN233 class.

PERKINS REPORT COMPONENT: Discuss work that has been done on a Program of Study this year as part of the College Action Project 1.2.1. What are the outcomes of this work and next steps? See page 4 for Welding Program of Study information - S:\School of Workforce Development\Workforce Development\PROGRAMS OF STUDY\Executive Summary - POS&Curr.Alignment\GRCC POS & Curriculum Alignment Summary 2009-2011.docx
The POS outcome was the addition of the MN230 class articulation documents.

PERKINS REPORT COMPONENT: Summarize program/course improvements not mentioned above:
N/A

3. Faculty & Staff

Describe any faculty & staff accomplishments:
All department faculty are taking the Certified Welding Inspector exam in May, the goal is to have all instructors registered as CWI’s.
List any awards, presentations, publications:
N/A

PERKINS REPORT COMPONENT: Describe any professional development activities for faculty or staff within your department that contributed to program and curriculum development and/or revisions? S:\School of Workforce Development\Workforce Development\Trip Proposal\2011-12\Trip Proposals - Part \Kiss - Chair Academy
Describe any faculty/student advising that occurred. Does this work relate to the departmental plan? Was this work effective?
Student advising is a continuous process by department faculty.

**PERKINS REPORT COMPONENT:** Describe how EOL/Release time positions have contributed to your program outcomes?
**NOT APPLICABLE**

### 4. Department
Provide an update on any accreditation activities or plans. Do you plan to pursue accreditation?

N/A

Describe any new department/program specific partnerships or grants:

N/A

Describe any department/program projects or initiatives not previously mentioned:

Working with the Job Training program to begin offering a cohort program for the 931 certificate program.

---

**Goals**

### A. 2011-2012 Goals
List the 2011-2012 goals here along with a progress update for each:

**Applied Technology - Mike Kiss**

**Welding:**

1. Increase enrollment in Welding Technology program.
   
   *Program majors did increase for 2011-12, overall section numbers was pretty flat.*

2. Continue to build relationships with FSU Welding Engineering.
   
   *Relationship with FSU continues to be strong. Several former GRCC students have graduated the FSU Welding Engineering Technology program.*

3. Implement NOCTI assessment, winter semester.
   
   *NOCTI testing was not implemented.*

4. Implement possible curriculum revision.
   
   *Working toward program revision for the 2013-2015 catalog.*
B. 2012-2013 Goals
List 2012-2013 goals here:
Increase program enrollment.
Receive approval and offer MN233 Welding Automation course.
All program faculty to become Certified Welding Inspectors through the American Welding Society (AWS).

C. 2012-2013 Perkins Request Form: 2012-2013 Perkins request form
Please complete the 2012-2013 Perkins request form as necessary/appropriate given your stated goals.
Please attach the Perkins Curriculum Development Projects Excel Spreadsheet to this report (separate email attachment is fine)

Program & Curriculum Assessment

Please report on outcomes separately if program has both an Associates Degree and a Certificate

A. 2011-2012 Assessment
This year all departments and programs are writing Program Outcomes, Program Learning Outcomes, and choosing an Assessment Project to work on. You should have received the template for reporting this information from Patti Trepkowski. This form is also included on the next page for your convenience. You can simply cut and paste the Program Outcomes & Assessment grid that you will be sending to Patti once it is finalized (replace the blank grid on the next page with your completed grid).
B. Other Assessment Activities
Please describe any other assessment activities in which this department or program was involved this year.
N/A

C. Program Outcomes/Perkins Core Indicator related projects
List and describe your 2012-2013 improvement projects here and describe what core indicators/program outcomes they will improve.
S:\School of Workforce Development\Workforce Development\PERKINS\CORE INDICATOR LEVELS\October 2011\Applied Tech\Welding
# 2011-2012 Program Outcomes and Assessment Report Form

Use this form to compile the Program Outcomes, Program Learning Outcomes, and Assessment Project description and methods. When you have completed your planning, fill out the following form and email it to ptrepkowski@grcc.edu.

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Program Outcomes</th>
<th>Student Learning Outcomes at the Program Level and Associated ILOs</th>
<th>Assessment Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding</td>
<td>Prepare students for employment in the welding fabrication field by providing learning opportunities that are in line with and meet industrial expectations/standards.</td>
<td>Students will be able to demonstrate proper arc welding techniques. (Critical thinking ILO) Students will be able to demonstrate proper use of welding equipment. (Critical thinking ILO) Students will exhibit proper welding safety procedures. (Personal responsibility ILO) Students will be able to write and follow welding procedures. (Critical thinking ILO)</td>
<td>Student Learning Outcome to be assessed &amp; specific objective/competencies (if applicable)/ILO to be assessed: Students will be able to demonstrate proper use of welding equipment. (Critical thinking ILO) Assessment Project description: Students will be required to troubleshoot a Gas Metal Arc Welding (GMAW) power source that has a several flaws incorporated into the system. The experiment will be completed in the MN230 TIG/MIG Welding course. Assessment Methods: Direct/Indirect Measures of Student Learning Students will be observed to determine proper troubleshooting procedures are followed. Data Collection Strategies Students will be rated on time, accuracy of flaw detection and correction of system flaws.</td>
</tr>
<tr>
<td>Data Analysis/Reporting Strategies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A rubric will be used to collect data. A report showing the results will be written and analyzed.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Assessment Timeline**

*Students in the MN230 course will be assessed in the fall and winter semester. The report will be completed in the winter term.*