WELDING & METAL FABRICATION TECHNOLOGY PLAN – GERALD RAINO
COMPLETE FOR SPRING 2008
Student Learning Outcome: The students will demonstrate knowledge of welding safety concerns.
Program Goal: The students will score a 90% or higher on a welding safety assessment tool.
Assessment Process: A brief welding safety assessment tool (test) will be developed and administered the last night of the welding class for all spring 2008 welding sections.
Who is the lead Instructor? Gerald Raino
Why was this process selected? It’s realistic and doable.
How will student learning be measured? A brief welding safety assessment tool (test) will be developed and administered the last night of the welding class for all spring 2008 welding sections.
What approach will be used? A brief welding safety assessment tool (test) will be developed and administered the last night of the welding class for all spring 2008 welding sections.
When will data collection be collected? Data will be collected at the conclusion of each class, each semester.
Who will analyze the results? The welding Program Coordinator

MECHANICAL PRODUCTION TECHNOLOGY PLAN – JOSEPH GLADKOWSKI
COMPLETE FOR SPRING 2008
Student Learning Outcome: The student’s ability to apply basic Manufacturing machining techniques learned within the MFG 101 curriculum.
Program Goal: Students will demonstrate a 90 % understanding of the basic machining skills incorporated within the first semester manufacturing 101 course.
Assessment Process: An instructor-proctored assessment will qualify the students understanding within two Manufacturing areas: Hands-on maturity of course project and basic understanding of text oriented theory.
Who is the lead Instructor? Joe Gladkowski
Why was this process selected? This process was selected to quantify each student’s retained knowledge of both theory and hands-on educational material taught within the specified courses.
How will student learning be measured? The students learning will be measured prior to the end of the semester. This will enable an assessment of all knowledge presented throughout the course.
What approach will be used? To assess each student’s retained knowledge, a written and hands-on assessment will be administered.
When will data collection be collected? Assessment data will be analyzed after the second semester of the processes emplacement. This time period will allow a wider range for averages of student-learning outcomes.
Who will analyze the results? The assessment process will be proctored, data collected, and analyzed by the Coordinator of the MFG Program.

ORTHOTIC & PROSTHETICS TECHNOLOGY PLAN – MARIA ANNA RAFAC / MICHAEL BRNCICK (Plan No. 1)
COMPLETE FOR SPRING 2008
Student Learning Outcome: Are our students competent in the fabrication of upper and lower extremity prostheses and upper extremity, lower extremity and spinal orthoses?
Program Goal: 80% of the students reach a “B” or better average grade in each course.
Assessment Process: Students are evaluated on knowledge and skills necessary to fabricate orthoses and prostheses at all levels. Exams are given to evaluate comprehension and application of the knowledge base. A practical exam is given that provides students the opportunity to demonstrate their skill level. Faculty will record and collect data, and provide it to the director of the department in order to evaluate outcomes with respect to pass/failure information. Modifications will be made in curriculum delivery, course content and other areas affecting the desirable levels of knowledge and skills.
Who is the lead Instructor? Mike Brncick
Why was this process selected? The process was selected to assess learning at the programmatic level as well as at a national standards level.
How will student learning be measured? Written and practical exams are given to assess student competencies.
What approach will be used? National exam assessment will be used for evaluation.
When will data collection by collected? The program is new. Data collection will begin with the first graduating class.
Who will analyze the results? The Program Director will be responsible for data collection and analysis of results.

ORTHOTIC & PROSTHETICS TECHNOLOGY PLAN – MARIA ANNA RAFAC / MICHAEL BRNCICK (Plan No. 2)
COMPLETE FOR SPRING 2008
Student Learning Outcome: Have they reached a level of competency to successfully pass the national registered technician exam?
Program Goal: 85% pass rate on the National Registered Technician Exam.
Assessment Process: Pass failure rates will be compiled on students who take the national registered technician exam. Results will be tabulated and records will be kept by the director of the department on a yearly basis to monitor program effectiveness. We will evaluate areas of strengths and weaknesses to the extent that individual areas of competency can be highlighted in the national exam and shared with the program. Faculty will be provided with the information in order to modify content, knowledge and skill areas in order to meet the competency requirements of the exam.
Who is the lead Instructor? Mike Brncick
Why was this process selected? The process was selected to assess learning at the programmatic level as well as at a national standards level.
How will student learning be measured? Written and practical exams are given to assess student competencies.
What approach will be used? National exam assessment will be used for evaluation.
When will data collection by collected? The program is new. Data collection will begin with the first graduating class.
Who will analyze the results? The Program Director will be responsible for data collection and analysis of results.

CADD PROGRAM PLAN – MARIA ANNA RAFAC / SCOTT BOUDREAU (PLAN No. 1)
COMPLETE FOR SPRING 2008
Student Learning Outcome: Master electronic scaling methods in both paper space and model-space drawing environments
Program Goal: 75% of all students will be proficient with the appropriate skill level for developing electronically scaled design drawings
Who is the lead Instructor? Scott Boudreau
Why was this process selected? Over the years many companies have relied upon drawings that were created using “model-space” methods. Our students need this critical skill to perform well on their jobs.

How will student learning be measured? Using a series of written and practical application exams an average score will be obtained for each student learning this skill level.

What approach will be used? Lecture, quizzes, worksheets, practice and final exams on this specific topic will be administered.

When will data collection by collected? Each semester.

Who will analyze the results? Each Instructor will assess their student’s attainment of this skill level.

CADD PROGRAM PLAN – MARIA ANNA RAFAC / SCOTT BOUDREAU (PLAN No. 2) COMPLETE FOR SPRING 2008

Student Learning Outcome: Successful completion of the a preparatory AutoCAD Certification Exam

Program Goal: 70% of all CAD students will achieve a 70% or higher on the exam.

Assessment Process: Using an industry standard AutoCAD Certification Exam for written and drawing assessments.

Who is the lead Instructor? Scott Boudreau

Why was this process selected? Over the years many companies have relied upon written examinations to determine the credibility of a student’s skill level during the internship process.

How will student learning be measured? Using a series of written and practical application exams an average score will be obtained for each student learning this skill level. The AutoCAD Certification Practice Exam will be the main assessment tool used for this student learning assessment.

What approach will be used? Lecture, quizzes, worksheets, practice and final exams will be administered throughout the seminar to prepare the student’s for taking the typical AutoCAD Certification practice exam.

When will data collection by collected? Each semester.

Who will analyze the results? Each Instructor will assess their student’s attainment of this skill level.

AUTOMOTIVE SERVICE TECHNOLOGY PLAN – LYNN GRAF COMPLETE FOR SPRING 2008

Student Learning Outcome: Our students are required to demonstrate, to an instructor as the work is being preformed, a mastered level rating of tasks listed within a blue task competency card. (Please see the attached blue task competency card).

Program Goal: The student is required to achieve a minimum of 85% of all listed tasks at the master’s level on that blue competency card.

Assessment Process: The lead instructors will be Tim Airney, Lynn Graf and Jim Coleman. The student learning will be measured by instructor observation and evaluation while the student is performing a particular task listed on the blue task competency card. The approach is for the student to repeat a particular task until he or she feels confident that they are performing that mechanical process correctly. Then the student will ask an instructor to observe either the process while being preformed or the end result after the task competition.

Immediately feedback will be given to the student at the time of the observation. Data will be collected on a daily basis and recorded on each student’s blue task competency card. The results, when compiled, will be analyzed collectively by the 3 automotive instructors at the end of each semester.

Who is the lead Instructor? Lynn Graf

Why was this process selected? The process is part of an on-going 5 year automotive service NATEF program certification.

How will student learning be measured? Learning will be measured by one on one observations of task completion.

What approach will be used? A rating scale is assigned to all tasks required. The scale is a follows 0, no experience/knowledge 2, unsuccessful attempt 3, partial demonstration 4, repetitive demonstration, and 5, mastered.

When will data collection by collected? At the end of each day and again, comprehensively, at the end of each semester.

Who will analyze the results? The instructors and the student.

CRIMINAL JUSTICE STUDIES PLAN – KIMBERLY KARLBERG & STEVE CHRISTIANSEN COMPLETE FOR SPRING 2008

Student Learning Outcome: Criminology students learn to write a detailed, comprehensive chapter outline with key terms and definitions. Each semester.

Program Goal: Criminology students in all sections during the fall 2007 semester will achieve an 80% grade or better on average.

Assessment Process: Evaluation by the instructor of each Criminology student’s detailed outline.

Who is the lead Instructor? Steve Christiansen

Why was this process selected? This process was selected in order to assess each student’s ability to apply what they have learned in the classroom and analyze the chapter in the book in order to create a detailed outline.

How will student learning be measured? Student learning will be measured on a grade percentage scale with an 80% average being the overall goal of both classes in Criminology.

What approach will be used? The assessment is a written detailed outline over one of the chapters in the Criminology textbook. The assessment is assigned as a homework project and is done in teams of two students per team. Other assessments include a test question for all classes to use, a survey, a quiz, a homework assignment or project, or other form of assessment.

When will data collection by collected? 1-2 semesters to allow for data gathering, then tabulate and assess.

Who will analyze the results? Steve Christiansen – the Instructor will analyze the results.

LAW ENFORCEMENT PLAN – KIMBERLY KARLBERG & STEVE CHRISTIANSEN COMPLETE FOR SPRING 2008

Student Learning Outcome: Law Enforcement students will be tested on our Bill of Rights and be able to define our first Ten Amendments and examine how they effect United States Citizens and Law Enforcement personnel every term.

Program Goal: Law Enforcement students will achieve a 90% or better on this topic of study during the fall semester, 2007.

Assessment Process: Evaluation of student's exam by a LENF instructor.

Who is the lead Instructor? Kimberly Karlberg

Why was this process selected? This process was selected because of the importance of the material as it relates to Law Enforcement Officials.

How will student learning be measured? The student is measured through exams one and two.

What approach will be used? A test question for all the classes to use, a survey, a quiz, a homework assignment or project, or other form of assessments.

When will data collection by collected? 1-2 semesters allowed for gathering data then tabulated and assessed.

Who will analyze the results? The instructor of Law Enforcement will analyze the results.
INDUSTRIAL MAINTENANCE TECHNOLOGY PLAN – JEFF BRADFORD

COMPLETE FOR SPRING 2008

Student Learning Outcome: Students will learn to complete all aspects of the shaft alignment within two hours to industry specifications for an 1800 rpm application.

Program Goal: Students enrolled (85% of) in IMT 111 and IMT 112 should complete all aspects of the shaft alignment within two hours to industry specifications for an 1800rpm application.

Assessment Process: Students will be evaluated by the instructor during a hands-on assessment. Pre-identified criteria will be given to the students in advance of the evaluation.

Who is the lead Instructor? Jeff Bradford

Why was this process selected? Of the many skills required of an industrial maintenance technician, the ability to perform a proper shaft alignment is both fundamental and critical in their job performance. It is a basic, but highly technical skill they must possess on the job.

How will student learning be measured? Students will be given the necessary steps along with the alignment tolerances before the hands-on assessment. They will be required to follow the command procedures and annotate their final results on the given form. The evaluator will monitor the student’s progress and then will verify all results submitted by the student by mounting the dial indicators on the trainer and verifying the data.

What approach will be used? A hands-on activity will be used with no assistance from the evaluator during the assessment.

When will data collection be collected? Data will be collected in both the Fall 2008 and Spring 2009 semesters.

Who will analyze the results? Jeff Bradford, IMT Program Coordinator, will be the primary person to analyze the results. The results will be discussed by the IMT Advisory Board as well.

ARCHITECTURE / ENGINEERING / CONSTRUCTION PLAN – MARIA ANNA RAFAC

COMPLETE FOR SPRING 2008

Student Learning Outcome: Students should have an 80% understanding of basic skills and vocabulary as presented in AEC 106.

Program Goal: To evaluate the students' progress and knowledge base in a key foundation course, AEC106.

Assessment Process: Evaluation by the instructor through final exam. The basis for the evaluation is a standardized set of objectives. The test questions will be developed from the material used in the class. The question will be from the different topics and coded. The results of the test could then be sorted and analyzed to determine where the students have the most successes.

Who is the lead Instructor? Greg Pakieser

Why was this process selected? It measures the basic skills needed in the construction industry and most advanced course.

How will student learning be measured? A series of questions chosen from a set of prints that represent the major skills needed for reading blueprints.

What approach will be used? Through the use of a standardized final for all the courses.

When will data collection be collected? At the end of each semesters.

Who will analyze the results? Greg Pakieser.