**Examples of Outcomes at IVC**

**The following is an example of the student learning outcomes (SLO) that IVC faculty members have designed for their courses. These outcomes are being used to evaluate learning and make incremental improvements that benefit student learning. This is not an extensive list, but a brief list that provides examples of the progressive work that is occurring on campus. Outcomes may change as faculty go through the process of designing, measuring and improving SLOs.**

**Course-level Outcomes state what measurable outcome the student should be able to perform after successful completion of the course.**

**Behavioral and Social Sciences**

AJ 106: Identify and distinguish the requirements of lawful arrest and applicable procedures for both misdemeanor and felony crimes. (Exam)

Geography 102: Analyze current spatial geographic events using the Five Themes of Geography. (Five Themes Assessment + Rubric)

History 130: Describe differences in colonization instituted by Spain and Portugal during the 1600s. (Assignment + Rubric)

Political Science 104: Articulate a greater awareness of global issues confronting the peace and security of the world. (Debate + Rubric)

Psych 101: Research and write a paper on a psychological topic using a number of data sources including at least one non-western point of view and integrating course-based concepts with identified research. (Paper + Rubric)

**Business**

Bus 126: Evaluate and analyze three distinct legal case problems and communicate the results demonstrating writing competencies at the college level. (Paper + Rubric)

Bus 220: Perform all the accounting for one week of transactions for the University Bookstore Practice Set (Simulation) including year-end adjusting entries, closing entries, and financial statements. (Accounting Practice Set – Simulation)

CIS 101: Analyze information for relevance and accuracy; and synthesize, evaluate and communicate the results, demonstrating writing competencies at the college level. (Website Evaluation Assignment + Rubric)

CIS 106: Diagnose and repair 2 computer problems using LabSim simulator program. (LabSim Scoring Tool)

CIS 137: Design, develop, and present a business orientated website utilizing Dreamweaver. (Final Project + Rubric)

**English**

English 73: Create original written sentences in English with vocabulary words appropriate to their level. (Written Exam)

English 86: Locate and analyze both stated and implied subjects and main ideas in paragraphs. (Rubric)

English 100: Demonstrate mastery of the short essay in the development and passage of the English 100 Common Final, including text interpretation supported by citations from assigned reading, logical outlining, and effective sentence construction. (English 100 Common Final)

English 223: Investigate and analyze literature from around the world, from the European Renaissance period to the modern age. (Final Exam)

English 270: Compare and contrast competing theories of childhood language acquisition and the data in support of each. (Rubric)

**Exercise Science**

HE 102: Assess a health risk, design and evaluate the process of behavior change to improve health and reduce the risk of disease. (Paper + Rubric)

PE 104: Create and implement a comprehensive personal strength training program. (Written Program with Weekly Input)

PE 113: Explain basic strategies of offense and defense. (Written Exam & Game Demonstration)

PE 121: Exhibit improved swimming skills by moving up one level on the Am Red Cross Learn-to-Swim Program; create and implement one 45- minute comprehensive aquatic workout. (Pre/Post Practical Test; Paper + Rubric)

PE 201: Identify offensive and defensive concepts of team basketball with an increasing degree of proficiency. (Exam)

**Humanities**

Art 102: Analyze and interpret works of art. (Essay + Rubric)

Art 222: Complete a drawing from live model depicting form and anatomy with accuracy using charcoal on paper. (Critique + Rubric)

Music 262: Perform intermediate level-2 melodies in first position with correct pitches, rhythm, fingering, at a reasonable tempo with expressions indications observed. (Performance Quiz + Rubric)

Spanish 110: Research, organize and communicate information effectively in Spanish about a Spanish-speaking country. (Oral Presentation + Rubric)

Speech 100: Organize and orally communicate information to an audience in a clear and engaging manner. (Speech + Rubric)

**Industrial Technology**

ACR 105:Calculate the area of a round duct when the diameter is known and convert to square duct of same area apply trane ductulator. (Written Exam)

AUT 130: Explain the units of electrical measurements, while in compliance with safety and environmental regulations. (Practical Exam + Skills Rubric)

BLDC 150: Create a wall with three rough openings of different sizes and be able to determine the right size of header for each rough opening. (Headers Assessment)

BLDC 210: Identify three types of contractual arrangements and explain the function of each contract. (Paper)

Weld 081: Set up to weld with FCAW process in a safe manner and change a roll of E71T-1 wire from .045 to .052 in order to have more weld deposit on a fillet weld bead. (Activity with Check-off List)

**Math & Science**

Ag 250: Identify a topic of agriculture and relevant scientific information that is applicable. Student will then use the information to develop an informed position. Position will then be presented in the form of a paper with citations or may be demonstrated by an oral presentation. (Paper/Presentation + Rubric)

Bio 220: Create a functional and efficient dichotomous key to identify a specific bacterium from a list of bacteria. (Report + Rubric)

Chem 200: Follow procedures, collect data, perform calculations, and summarize lab activity. (Lab Portfolio)

Math 070: Perform the basic operations with rational numbers. (Exam)

Math 122: Demonstrate the application of matrix math by encoding and decoding a message using a matrix and technology. (Project + Rubric)

**Nursing**

EMT 107: Completes a trauma patient assessment and spinal immobilization on a supine patient in simulated setting. (Assessment & Skills Check-off List)

EMPT 235: Prepare, administer, and define contraindications for all paramedic medications in the pre-hospital setting. (Field Evaluation Record)

FIRE 100: Apply basic emergency incident management strategies in relationship to incident command systems in public and private fire protection careers. (Final)

NURSE 090: Demonstrate correct procedure for obtaining vital signs in clients of all ages in a simulated or clinical situation. (Clinical Evaluation Tool)

VN 130: Establish and prioritize the patient's needs utilizing both primary and secondary data related to current and past physical and psychological status. (Clinical Evaluation Tool & Care Plan)

SLOs/examples 03/02/09