

Course Competencies Template - Form 112

GENERAL INFORMATION			
Name: Chris Migliaccio	Phone #: 7-3269		
Course Prefix/Number: IDS 1107	Course Title: Tools for Success		
Number of Credits: 1			
Degree Type	<input type="checkbox"/> B.A. <input type="checkbox"/> B.S. <input type="checkbox"/> B.A.S <input checked="" type="checkbox"/> A.A. <input checked="" type="checkbox"/> A.S. <input type="checkbox"/> A.A.S. <input type="checkbox"/> C.C.C. <input type="checkbox"/> A.T.C. <input type="checkbox"/> V.C.C		
Date Submitted/Revised: 9/18/07	Effective Year/Term: 2007-2		
<input checked="" type="checkbox"/> New Course Competency <input type="checkbox"/> Revised Course Competency			
Course to be designated as a General Education course (part of the 36 hours of A.A. Gen. Ed. coursework): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
The above course links to the following General Education Outcomes: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input type="checkbox"/> Critical thinking & Scientific Reasoning <input type="checkbox"/> Information Literacy <input type="checkbox"/> Cultural / Global Perspective </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input type="checkbox"/> Environmental Responsibility </td> </tr> </table>		<input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input type="checkbox"/> Critical thinking & Scientific Reasoning <input type="checkbox"/> Information Literacy <input type="checkbox"/> Cultural / Global Perspective	<input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input type="checkbox"/> Environmental Responsibility
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Course Description (limit to 50 words or less, must correspond with course description on Form 102): This course is for students majoring in science, technology, engineering and mathematics fields (STEM). Students will learn writing, research, presentation, and technological skills necessary for success in STEM-related disciplines. Course topics include learning styles, collaborative skills, power study techniques and will use related technologies related to STEM.			
Prerequisite(s):	Corequisite(s):		

Course Competencies: (for further instruction/guidelines go to: <http://www.mdc.edu/asa/curriculum.asp>)

Competency 1: Students will develop learning skills necessary for STEM-discipline success by:

- a. identifying various learning styles as they relate to STEM disciplines
- b. identifying their own particular learning style and applying them to their own STEM classes
- c. recognizing and applying effective study skills for classroom and laboratory settings
- d. applying active reading and comprehension skills
- e. utilizing specific STEM-related reasoning skills and test-taking strategies

Competency 2: The student will develop STEM-discipline related coping skills by:

- a. identifying various methods of working with faculty, particularly those in the STEM disciplines
- b. identifying campus resources for support in math and science

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- c. identifying various ways of working with other students in classroom and science laboratory settings
- d. developing various methods for achieving and maintaining good psychological health
- e. demonstrating appropriate classroom and laboratory behavior

Competency 3: Students will describe the connections between the biweekly Departmental Science Forums and / or STEM field experiences and their academic coursework by:

- a. writing a reflection paper to describe the connections between their biweekly science forums and/or field experiences
- b. presenting connections between the forums/field experiences and their life, coursework and/or college experience

Competency 4: Students will begin to compile a portfolio of STEM-focused academic and personal achievements which will be developed and fine tuned over the next two years by:

- a. assembling an electronic portfolio which will be fine-tuned over the next two years

Competency 5: Students will develop proficiency in the technology appropriate to courses in the STEM fields by:

- a. demonstrating proficiency with STEM course-related laboratory-computer interfaces, word-processing, email, presentation software, and concept mapping software
- b. creating an original webpage as part of their electronic portfolio
- c. demonstrating proficiency in podcast basics

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