



Faculty Worksheet for Communication-Intensive (C-I) Course Certification

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Professor's Name	First semester to be taught as C-I	Course Abbreviation/Number	Credit Hrs	Max Enrollment
Paul Callahan	Spring 2016	ART 4020	3	35:1 max w/o GA 15
Course Title Digital Fabrication: Ways & Means		Communication Modes Which communication modes will your course emphasize? <input type="checkbox"/> Written <input type="checkbox"/> Spoken <input checked="" type="checkbox"/> Visual <input checked="" type="checkbox"/> Technological		
Learning Objectives – List the course's learning objectives below. You are encouraged to include at least one communication-specific objective. Please use bullets to separate objectives. 1. Develop a working understanding of Rhino drawing methods 2. Integrate laser cutter, CNC mill and 3D printers into coursework at some point during the semester 3. Discover the application potential of emerging digital fabrication technologies in personal studio practice 4. Think creatively, solve design challenges				
Assignment Overview – C-I courses use informal communication exercises for learning and formal communication exercises for demonstrating skills and knowledge within the discipline. Briefly describe the informal & formal communication activities/projects that you will include for each mode under which you are certifying. Informal and formal activities are required for both modes.				
Informal activities for Mode 1: Daily discussions and lectures about contemporary designers who implement effective visual elements.		Informal activities for Mode 2: Weekly mini assignments which contain tech-centric requirements involving the 3D printer, laser cutter and CNC mill.		
Formal activities for Mode 1: Projects 1,2,3 and Final, all require the creation and analysis of objects with visual criteria.		Formal activities for Mode 2: Main projects for this course also include components created on the 3D printer, laser cutter and CNC mill.		
Teaching – In addition to assigning communication activities, C-I instructors are required to teach effective communication skills specific to the discipline. Describe your teaching efforts as they relate to your two communication modes of focus. Students will be shown drawing techniques using Rhino 3D CAD program and expected to use this program to present ideas to the rest of the course.		Feedback-Improvement Loop – Describe your feedback process and the opportunities students will have to incorporate your feedback for deeper learning of the two communication modes you will focus on in this course. The projects in this course build upon one another (mini assignments are scaffolded elements to bigger projects), allowing the students to learn from critiques and feedback and apply this knowledge to subsequent ones.		
Grading – Outline the course grading scale to illustrate how 40% of the course grade is tied to communication-based activities. PROJECT AND POINTS BREAKDOWN: -Project 1 (Laser Cutter): 15% - Project 2 (3D Printer): 15% -Project 3 (CNC Mill): 15% -Final Project: 25% - Participation: 15% -Final Presentation: 15% 100% The final project and final presentation add up to 40% of the total grade. These two projects require a formal presentation to the class, as well as an exhibition on the Atrium Wall for the student body to view.		Studio Support – Describe how you will use the CxC Studios as a resource for this course (if applicable). Students will be using the 3D printers which are housed in the CXC studio as well as taking advantage of the help offered at the CXC studio concerning writing and presentations.		