Washtenaw Community College Comprehensive Report

CPS 298 Professional Team Programming
Conditional Approval
Effective Term: Fall 2016

Course Cover
Division: Business and Computer Technologies
Department: Computer Instruction
Discipline: Computer Science
Course Number: 298
Org Number: 13400
Full Course Title: Professional Team Programming
Transcript Title: Professional Team Programming
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: New Course
Change Information:
Rationale: We are often asked if we do "team programming", because this is what happens in the real world of programming. This course is our attempt to address this request from industry.
Proposed Start Semester: Fall 2016
Course Description: The goal of this course is to simulate industrial experience of working in teams. Students will work in teams using version control software (GIT, GitHub) to manage their projects. The course explores the advantages and disadvantages of leading programming approaches like Agile Programming, Waterfall approach, Top down programming and Paired developers. Students will learn and apply built-in testing tools and other industry practices.

Course Credit Hours
Variable hours: No
Credits: 4
Lecture Hours: Instructor: 60 **Student:** 60
Lab: Instructor: 0 **Student:** 0
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 60 **Student:** 60
Repeatable for Credit: NO
Grading Methods: Letter Grades
Audit
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing
College-level Reading & Writing

College-Level Math

Requisites
Prerequisite
CPS 261 minimum grade "B-"
or
Prerequisite
CPS 278 minimum grade "B-"

or
Prerequisite
CPS 256 Advanced IOS/Apple Programming; minimum grade "B-"
or
Prerequisite
CPS 251 minimum grade "B-"

General Education

Request Course Transfer
Proposed For:

Student Learning Outcomes

1. Develop a team programming project.
   Assessment 1
   Assessment Tool: Group project
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All sections
   Number students to be assessed: All students
   How the assessment will be scored: departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of students will score 75% or higher.
   Who will score and analyze the data: departmental faculty

Course Objectives
1. Work effectively in groups.
2. Share responsibility for the project.
3. Develop a useful working product.

New Resources for Course

Course Textbooks/Resources
Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Reviewer	Action	Date
Faculty Preparer:		
Clem. Hasselbach	*Faculty Preparer*	*Dec 03, 2015*
Department Chair/Area Director:		
John Trame	*Recommend Approval*	*Dec 04, 2015*
Dean:		
Kimberly Hurns	*Request Conditional Approval*	*Dec 16, 2015*
Curriculum Committee Chair:		
Assessment Committee Chair:		
Vice President for Instruction:		