**Estimate of person-hours for completing Project 4**

**Points Value: 1 (30 Minutes)**

Class: EECS 169 Project: Find the hypotenuse of a triangle

Class: EECS 169 Project: Calculate and display quadratic roots

Class: EECS 169 Project: Convert the temperature given by the user from Fahrenheit to Celsius

**Points Value: 2 (3 Hours)**

Class: EECS 169 Project: Find the sum, average, largest number, and smallest number of the

number provided by the user.

Class: EECS 169 Project: Searching a data file for the given string.

Class: EECS 169 Project: Find the ASCII value of a character provided by the user

Class: EECS 169 Project: To print looped patterns requested by the user.

**Points Value: 3 (6 Hours)**

Class: EECS 169 Project: After placing an order at a taco shop, the program calculates cost, tax,

discounts, etc.

Class: EECS 169 Project: Find the longest or shortest word in an array built by the user including

the size of the array as well as words that are filled in that array.

Class: EECS 169 Project: Find properties of a number, if it is palindromic, prime, etc.

**Points Value: 5 (7 Hours)**

Class: EECS 169 Project: Find sizes of two circles based on the (x,y) position given by the user, find

whether they intersect, and if yes then how many times. Find the

circumference and diameter of the circles as well.

Class: EECS 268 Project: Manipulate an array of games.

Class: EECS 268 Project: Manipulate array and properties of shapes

**Points Value: 8 (15 Hours)**

Class: EECS 268 Project: Maze Walker program

Class: EECS 288 Project: BST for Pokedex

Class: EECS 268 Project: CPU Scheduling program

Class: EECS 448 Project: Project 3, prototype

**Points Value: 13 (30 Hours)**

Class: EECS 448 Project: Battleship Project 1

Class: EECS 448 Project: Battleship Project 2

**Points Value: 21**

Class: EECS 448 Project: Movie Recommendation, Project 4

Based on the ranking scale we chose, we didn't have any projects that we've done for EECS classes that fit into the 13-point value other than projects 1 and 2. The prototype work for Project 3 was fit into story point 8, since it didn’t take us as much time as the first two projects, but we estimate that project four will take us longer than projects 1 and 2, so we estimate about 45 hours total.