

ChE 400 –Homework 4- Grading Rubric

Name:

Problem 1

Calculations (10 points)

Asses	Letter		Max	Points
P1	1e1	Clear definition of the problem. Including objective	1.5	
P2	1a2,1e4,1e5,1e6,1e8,2b2,1b1	Solution method and answer are clearly explained	2	
P3	1e7	Develop a solution procedure. Correct schematic and labeling, assumptions, and equations	3	
P4	2b2	Organization of Calculations, details and comments.	2	
P5	1f1	Selection of initial guess (justification)	1.5	

Program (5 points)

Asses	Letter		Max	Points
P7	1f1	Program readability: name, date, adequate comments. Is the program user friendly: explanation of inputs, correct units, easy to run, etc? Clearly specified the name of the main program (can it be found easily?)	2	
P8	1f1,1e6	Does the program run without errors or warnings?	1	
P9	1a1,1e8	Solution correctness: Correct answer to the concentration of A in each of the reactors	2	

Problem 2 (5 points)

Asses	Letter		Max	Points
P4	2b2	Organization of Calculations, details and comments.	1.5	
P5	1f1	Selection of initial guess (justification)	0.5	
P6	1a1	Correct use of Newton-Raphson Method	1.5	
P7	1e6	Correct answers	1.5	

Max Points: 20

Total points:

Comments: