

## “THE GAME OF PIG” PORTFOLIO

<b>1. Cover Letter Introduction (22pts)</b>	<b>Max Score</b>	<b>Score</b>
a. Identify and describe the unit’s central problem	<b>4</b>	
b. Identify and describe mathematical ideas addressed in the unit	<b>6</b>	
c. Describe how the key ideas were developed	<b>6</b>	
d. Describe how the key ideas were used to solve the central problem	<b>6</b>	
<b>2. Explanation for Selected Papers (24 pts)</b>		
a. Describe how your selected paper used a “simulation or experiment” to determine probability values (HW 28)	<b>4</b>	
b. Describe how your selected paper used “theoretical analysis” to determine probability values (HW 28)	<b>4</b>	
c. Describe how you used ideas about probability and strategy in POW 7: “Make a Game”	<b>4</b>	
d. Describe how the key activities were important in developing the key idea of the unit	<b>4</b>	
e. Describe why you selected a second POW to include in your portfolio	<b>4</b>	
f. Describe other quality work that represents your “best efforts”	<b>4</b>	
<b>3. SELECTED PAPERS FROM PIG (32 pts)</b>		
a. Homework #27: The Pig and I	<b>4</b>	
b. Homework#28: Beginning Portfolio Selection	<b>4</b>	
c. Selected paper on determining probability values from “simulations or experiments”	<b>4</b>	
d. Selected paper on determining probability values from “theoretical analysis”	<b>4</b>	
e. POW 7: Make a Game	<b>4</b>	
f. Selected papers for “Other Key Activities”	<b>4</b>	
g. A selected POW	<b>4</b>	
h. Selected paper(s) of “Other Quality Work”	<b>4</b>	
<b>4. PERSONAL GROWTH DISCUSSION (18 pts)</b>		
a. Describe how do you feel you progressed in working with others	<b>2</b>	
b. Describe how do you feel you progressed in presenting to the class	<b>2</b>	
c. Describe how do you feel you progressed in orally describing your thought process	<b>2</b>	
d. Describe how do you feel you progressed in writing about your thought process	<b>2</b>	
e. Explain what you need to work on, and why	<b>4</b>	
f. Describe how will you work on the topics you feel you need to work on	<b>2</b>	
g. Describe how you think the ideas in this unit might affect your own behavior in situations that involve probability	<b>2</b>	
h. Describe any other thoughts about your experience you want to share	<b>2</b>	
<b>SELF-ASSESSMENT OF PORTFOLIO (4 pts)</b>		

<b>Grade and Justify your work using a self-assessment scoring rubric 4</b>	<b>4</b>	
<b>TOTAL SCORE</b>		

**COMMENTS:**