

Montgomery College
 MA 132 Course Outcomes
Approved Spring 2008

#	<i>Outcome: Upon completion of this course/program a student will be able to:</i>
	Statistics The student will be able to:
1.	Construct and interpret displays of data.
2.	Analyze misleading statistics.
3.	Compute, interpret, and apply measures of center and spread.
4.	Choose among representations and summary statistics to communicate information.
5.	Evaluate methods of collecting data for possible bias.
	Probability The student will be able to:
6.	Compute and interpret experimental and theoretical probabilities using sample spaces, tables, tree diagrams, and simulations.
7.	Solve problems that involve the Fundamental Counting Principle, permutations, or combinations.
8.	Solve problems about independent or dependent events.
9.	Find and interpret expected values in insurance plans and games.
	Problem Solving The student will be able to:
10.	Use strategies to solve problems.
11.	Compare different methods for solving a problem.
12.	Apply knowledge from number systems, sets, geometry, algebra, statistics, and probability to solve problems.