

Montgomery College  
MA 115 Course Outcomes  
*Approved Spring 2008*

#	<i>Outcome: Upon completion of this course/program a student will be able to:</i>
1.	Collect and organize quantitative information and then model a societal, cultural or management system.
2.	Select an appropriate mathematical model for a given quantitatively based system and then analyze properties of the system.
3.	Compare, contrast and discuss the limitations of alternate methods of analyzing a given quantitatively based system.
4.	Use technology to develop and analyze mathematical models for quantitatively based systems.
5.	Explain the difference between exact and approximate algorithms.
6.	Explain the difference between efficient and inefficient algorithms.
7.	Select an appropriate algorithm to use on a quantitatively based system.