LONG ASSIGNMENT 3 RUBRIC

Pre-Assignment Exploration questions (**3 points**)	
Full Credit:	Answers all questions correctly and provides justification where applicable.
Code Functionality (10 points)	
Full Credit:	Program compiles without warnings. Code is excellently commented and does not have large sections of repetition. At least one function (whether local or in an included file) is used.
Euler's Method (5 points)	
Full Credit:	Solution is correctly computed using Euler's method in an iterative loop. The step size, initial values, and final values are all correct given the assignment directions. Ensures there are no negative $I(t)$ or $G(t)$ values by setting negative values to zero.
Parameter Identification (6 points)	
Full Credit:	Correctly identifies the best value for p_1 using provided data. The least squares method is correctly implemented. The four marker values are correctly computed and displayed in the command window.
Graphs (4 points)	
Full Credit:	Plots are clear and easy to understand. Axes and titles are appropriately labeled. Scale is appropriate so the user can see all the data points and the solution curve.
Extra Credit (point value varies)	
	Correctly implements one or more of the extra credit options or pursues their own of comparable difficulty level.