Computational Assignment 3

Marie Mar	Criteria			Rating	s		Pts
Minor Mino	Sufficient git commits at least 3 git comm ts with comments to bitbucket						1 pts
Part	All files in repository .m., html, .py, .ipynb, .tex, .pdf						1 pts
Part	Solve ODEs CA3 file runs file named solve_ODEs_CA3.m that runs	1 pts Full Marks			0 pts No Marks		1 pts
Part	Function name Function name correct ODEs_CA3						1 pts
PARSON	Parameters not hard coded All parameters are named, k's are functions of T, and not hard coded.	5 pts Full Marks					5 pts
Part	Correct functions dFa/dV, dFB/dV, dFC/dV, dT/dV		ions		ns	on	16 pts
Part Part Nove Note	Ca I odesolver odesolver with ode45, V increments and initial conditions.						7 pts
Part Marke Part Marke Part Marke Part	Correct figure 1 Figure 1 with T vs V, labeled units and axis	4 pts Full Marks					4 pts
File consents and successful in Market File Contents undiction the understand the code. Fight Fire The payor of Contents undiction the understand the code. Fight Fire The payor of Contents undiction the understand the code. Fight Fire The payor of Contents undiction the understand the code. Fight Fire The payor of Contents understand the code. Fight Fire The payor of Contents understand the code. Fight Fire The payor of Contents understand the Code of the	Figure 2 correct Contains each of Fi vs V, axis labels, legend, line styles and distinguishable colors						6 pts
Full Marks Pull Pull Marks Pull Marks Pull Pull Pull Pull Pull Pull Pull Pul	.html file File is created and accessible	1 pts Full Marks					1 pts
The file throws purpose of code determent in the large purpose of code determent for a deathy noted that the top. If pic not whith file has commented deathy noted and appropriate purpose and serricotions If pic not whith repose and serricotions of the white whith repose and the service white repo	Comments visible in .html file File has prol fic comments sufficient to understand the code.						1 pts
Full Marks Full Marks 1 pis Only imput or output, not both O	.html Purpose .html file shows purpose of code statement	1 pts Full Marks					1 pts
Pull Marks Only input or output, not both Full Marks Only input or output, not both Full Marks Only input or output, not both Full Marks Opts No Marks Opts No Marks Ipts Ipts Ipts Opts No Marks Ipts Ipts Opts No Marks Ipts Ipts Ipts Ipts Ipts Ipts Ipts Ipt	.html Author .html file has author listed at the top.	1 pts Full Marks			0 pts No Marks		1 pts
Adequate use of white space and semicions 1 pts Full Marks 1 pts 1 pt	Input and output parameters clearly noted .html file has comments that clearly delineate input and output parameters			oth			2 pts
Full Marks 1 pts 2 pts 1 pts 2 pts 1 pts 2 pts 1 pts 2 pt	Descriptive variable names						1 pts
Full Marks No Marks 1 pts solve_ODEs_CA3.py file which runs 1 pts Full Marks 0 pts No Marks 0 pts No Marks 0 pts No Marks 0 pts Python-did not hard-coding of parameters, all must have a name, k's must be functions of T	Adequate use of white space and semicolons						1 pts
Full Marks Full Marks Full Marks 1 pts Python file begins as desired function ODEs_CA3 Full Marks 1 pts Full Marks 1 pts 1 pts 1 pts Full Marks 1 pts 2 pts 3 pts 5 pts Full Marks 5 pts Full Marks 5 pts Full Marks 8 pts 4 pts 0 pts	Units are commented within the code	1 pts Full Marks					1 pts
Full Marks Full Marks 1 pts Python- did not hard code parameters no hard-coding of parameters, all must have a name, k's must be functions of T 1 pts 5 pts Full Marks 5 pts Full Marks 5 pts Full Marks 5 pts 8 pts 4 pts 0 pts No Marks 5 pts	Python file which runs solve_ODEs_CA3.py file which runs	1 pts Full Marks			0 pts No Marks		1 pts
no hard-coding of parameters, all must have a name, k's must be functions of T Full Marks 5 pts Python-correct differential equations 16 pts 12 pts 8 pts 4 pts 0 pts	Python file begins as desired function ODEs_CA3						1 pts
12 pts 9 pts	Python- did not hard code parameters no hard-coding of parameters, all must have a name, k's must be functions of T	5 pts Full Marks					5 pts
	Python- correct differential equations dFA/dV, dFB/dV, dFC/dV all correctly coded in						16 pts

Computational Assignment 3

Criteria		Ratio				ngs					
Python- call odesolver scipy.integrate.odeint, V range, V increments, initial conditions	7 pts Full Marks					0 pts No Marks					
Figure 1 T vs V, axis labels, and un ts	4 pts Full Marks					0 pts No Marks					
Python figure 2 Fi vs V, axis labels, units, legend, line styles and distinct colors	6 pts Full Marks					0 pts No Marks					
pynb heading and text for comment block	0.5 pts Full Marks					0 pts No Marks					0.5 pts
ipynb 4 eqns	2 pts Full Marks					0.5 pts Only 1 equation		0 pts No Marks			2 pts
pynb 2 figures and captions	2 pts Full Marks					0 pts No M				s Marks	
.tex equations section 4 equations, numbered and titled				1.5 pts Equations not numbered or section untitled			pts Only 2 equations	0.5 pts Only 1 equation		0 pts No Marks	2 pts
tex Resu ts section figures with captions	2 pts Full Marks					1 pts Missing one figure		0 pts No Marks		2 pts	
tex file creates proper .pdf Uso containing proper naming scheme	0.5 pts Full Marks					0 pts No Marks					0.5 pts
											Total Point