Undervisningsplan BIOS1100 H17

Denne siden finnes også som en to-siders PDF.

Uke	Kur suke	Kap ittel	Biologi	Programmering	Matte/statistikk
34	1	1	Heart rate, modelling average temperature	Jupyter Notebook, variables, numbers, import, using functions	Farenheit to celsius, logarithms - simple
35	2	2	Fission, bacterial growth phases, effect of temperature on bacterial growth	Plotting, Lists, Reading data from files	Logarithmic plots, exponential growth, growth rate, logarithms
36	3	3	*(Man-tir program seminar)* Modeling unlimited bacterial population growth	Numpy arryas, For loops; Decorating plots	Modeling exponential/logistic growth, lag and death phase, solving a first order difference equation
37	4	4	Models for limited bacterial population growth	Numpy arryas, For loops; Decorating plots	Modeling exponential/logistic growth, lag and death phase, solving a first order difference equation
38	5	5	Examine the effect of variable winter survival rates on plant growth	Saving numpy arrays to file	Model growth annual plants, solving a second order difference equation
39	6	5	Examine the effect of variable winter survival rates on plant growth	Saving numpy arrays to file	Model growth annual plants, solving a second order difference equation
			Mendelian	Boolean statements, if tests, random	

40	7	6	genetics, Punnett squares	numbers in Python, building functions	Probability
41	8	6	*Midtveiseksamen i andre fag, undervisningfri*	----------	----------
42	9	8	Restriction cutting; plasmids; electrophorosis	modulo, string slicing, importing code	
43	10	7	DNA, sequencing, GC content	Strings, Dictionaries,	Randomness
44	11	7	Transcription	While loops	
45	12	~~8~~	~~Mutations, Sickle-cell anemia~~	~~importing own code, reading from file; tuples; unpacking; zip~~	
46	13	~~9~~	~~Spatial models for epidemics~~	~~2D/animerte plots; scripts, making python models~~	
47	14	~~9~~	~~Spatial models for epidemics~~	siste uke ordinær undervisning ~~2D/animerte plots; scripts, making python models~~	
48	15				
49	16				
50	17		Eksamen 12. desember		