Course overview

General concepts:

Bosics (types, fors, if else loops)
Mobbs with python (vectorisation)
Reading/Writing text files
Plots Data fitting

Physics/Maths simulations: Projectiles with air resistance
Root finding for polynomials
Geiger counter

with hit or miss MC Enfliscrete charge distribution Earth-Sun grantational simulation Forced-damped pendulum (meaning of chaos) Magnetic field from coil

Computar Science concepts: Cellular automata (evolution with rules)
Sorting algorithms and complexity analysis
Graph theory