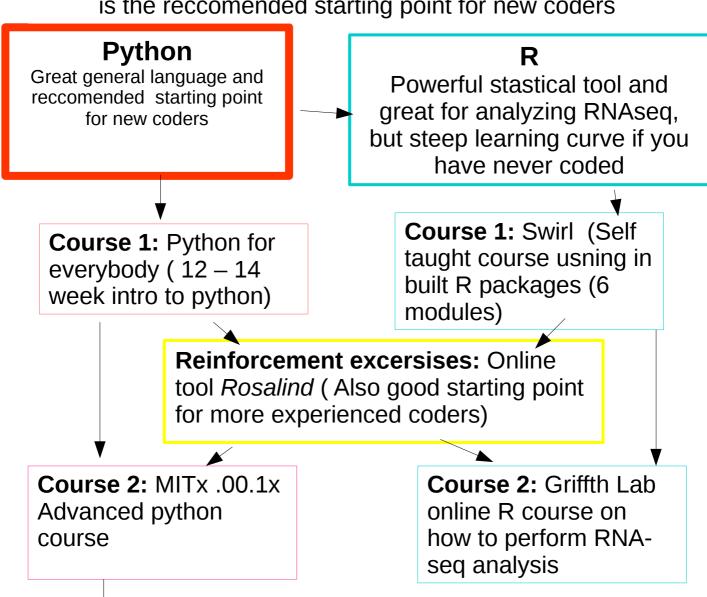# VUW SBS Coding Club Basic Syallbus

General skills that can be self taught and are
worth knowing

| Installation of Ubuntu and other software | Bash scripting skills | Git hub skills |

Main learning languages, Luke will be leading Python which
is the reccomended starting point for new coders

Python
Great general language and reccomended starting point for new coders

R
Powerful stastical tool and great for analyzing RNAseq, but steep learning curve if you have never coded

Course 1: Python for everybody (12 – 14 week intro to python)

Course 1: Swirl (Self taught course usning in built R packages (6 modules)

Reinforcement excersises: Online tool *Rosalind* (Also good starting point for more experienced coders)

Course 2: MITx .00.1x Advanced python course

Course 2: Griffth Lab online R course on how to perform RNA-seq analysis

Course 3: MITx .00.2x Advanced python course