COMP9021
Principles of Programming (70+70)
C,if,else,loops,functions,recursion
chars, arrays, 2d arrays
strings, files, args
memory, addresses, pointers
structs
linked lists, BST
heaps, sorting

COMP9416
Intelligent Agents (disc?)
(not currently offered?)

COMP9414
Artificial Intelligence (50)
prolog, semantic nets, frames
heuristics and search
decision trees,perceptrons,backpropagation
logic, FOL, planning, resolution
NLP, augmented grammars, semantics, ambiguity

COMP9024
Data Structures and Algorithms (50+50)
Java programming language
complexity, Big-O, ADTs
linked lists,stacks,queues
search trees
Hash tables, skip lists
Graphs,BFS,DFS,DAG's,MST

COMP9431
Robotic Software Architecture (20)
probability, Bayesian prediction
agent architectures
localization, particle/Kalman filter
heuristics and search
minimax,alpha-beta
reinforcement learning
parameter optimization

COMP9417
Machine Learning & Data Mining (40)
concept/tree/rule learning, numeric prediction
instance-based/evolutionary/reinforcement learning
probability, statistics, CoLT
Bayesian/logical/relational learning
kernel/ensemble methods
(un-/semi-)supervised learning

COMP9444
Neural Networks (30)
neurobiology
perceptrons, backpropagation
geometry, applications
VC-dimension, PAC-learning, SRM, SVM's
recurrent networks
SOM, tensort product networks
Hopfield networks, BSB

COMP9517
Computer Vision (40)
feature detection, alignment, stitching
pattern recognition, segmentation
motion, structure from motion
stereo correspondence, 3d reconstruction