COMP9104
Quantum ICT (?)
insert topics

COMP9101
Algorithms & Programming Techniques (70)
asymptotic behaviour, recurrences, summations, estimations
Master theorem, feasibility, P/NP/intractable problems
weighing coins, multiplying polynomials
activity selection, knapsack problem, file compression, set cover
scheduling, multiplying chains of matrices, optimal BSTs
network flow, Ford-Fulkerson, tricky correctness proofs
naive, Rabin-Karp, Floyd-Warshal, maximum bipartitie matching
linear programming
NP-complete/NP-hard, feasible reductions, approx solutions
project work: proofs, analyses

COMP9020
Foundations of Computer Science (50+50)
insert topics