Algorithms and Data Structures

Week 1

# Algorithms

Searching

Sorting

Pathfinding

Matching

# Data Structures

Pairs & Vectors

Linear collections

Trees & graphs

Numbers

Hash Tables

# General

Analysis

Computational Thinking

# Practical

Measurement

Testing

Lecture every Monday 12pm-2 WB IGLT  
Lab Friday 10am-12 RHB 306a

# Extra Help

Discussion forum

Study groups

Office Hours 25 ST JAMES HATCHAM room 18

Thurs: 14-15

Fri: 14-15

# Coursework 50%

Quizzes

Labs

Peer Assessments

Written Work

# Exam 50%

Bookwork

Problem Solving

Unseen Questions

# Quizzes

Up to 20 in the year

Take them more than once

Best attempt counts

Enforced 4 hour break between attempts

Use that break to review, ask questions on the forum, understand what you don’t yet understand

Each quiz has a twelve day open period

Monday 09:00 – Friday 16:00

# Labs

All 18 are compulsory

Some will have assessment

Upload to automated marking system

“instant” mark and feedback

Resubmission allowed (Sometimes)

Variable deadlines (in-lab or take-home)

Labsheets

Documents from learn.gold

Something version control

# Peer Assessments

Helping develop skills

Deployment of code to unknown systems

Critical assessment

Written expression of ideas