COMPSCI 220 S1 T – 2009
Algorithms & Data Structures

Dr. Mike Barley

Prof. Cris Calude

Dr. Andre Nies

Contents: 3 Parts

1. **Introduction to Algorithm Analysis** →
    Dr. Mike Barley; 11 lectures

2. **Introduction to Graph Algorithms** →
    Dr. Andre Nies; 11 lectures

3. **Introduction to Automata and Formal Grammars** → Prof Cris Calude; 11 lectures

Assessment

- **Theory:**
  - Test (10%)
  - Exam (65%)
- **Practical work:** 3 assignments (25%)
  - Assessment: detailed in the assignments
  - Assignments will be due before class on the last Tuesday of that part (e.g., A1 will be due 24 March)
  - Assignments will be posted on Cecil the Tuesday week before they are due (e.g., A1 will be posted 17 March)
  - Late assignments are not accepted

Miscellaneous

- **Tutorials:**
  - Fridays 1-2pm (starting Friday week)
  - City Seminar room 279
- **Assignment submission**:
  - hand printout to instructor just before class begins
  - No late submissions
- **Textbook**:

  M.Dinneen, G. Gimel'farb, M.Wilson "*Introduction to Algorithms, Data Structures and Formal Languages*", Pearson Education, 2009

Tutorials

- Currently they are scheduled for Fridays from 1 to 2 in the City in the CS Seminar room on the 2nd floor. How many people cannot make that time?

Auckland University Class Representation System

Class Representative

⬇ **Sit On**

Department Staff Student Consultative Committee (SSCCs)

⬇ **Can Be Elected To** ⬇

Faculty SSCCs

University Council, Senate and Vice-Chancellors Committees

Class Rep Role:
➢ Communication Between Students and Lecturer/Department
➢ First Contact For Student Grievances
➢ Student Voice in University Decisions
➢ Class Parties

Student Reps Rewards
➢ You get a say in your education
➢ Gain a better knowledge of student rights and services
➢ Training teaches communication and advocacy skills
➢ Access to class parties funding
➢ Looks good on a CV

Staff Rewards
➢ Direct feedback from students
➢ Open forum for discussing problems arising
➢ Students gain confidence in staff

Department Rewards
➢ A format for resolving departmental problems
➢ Students feel their problems are being addressed

WAVE Support: Training, Class Rep Newsletter, Funds for Class Parties, Ongoing Advice and Support
Contact us on: Phone: 309 0789 Ext. 251, e-mail: wave@auckland.ac.nz,
or visit us at the WAVE office, AUSA, Alfred Street (opposite the main library)

IMPORTANT: CHEATING POLICY

- For most programming assignments, the department uses a program comparison program to automatically compare all submissions from students

    – Also Turnitin.com database may be used to detect similarity of online and submitted materials

- All assignments where plagiarism is detected are checked for similarity by the course supervisor or another suitable person associated with the course

    – All assignments deemed to be too similar are automatically allocated a **zero** mark

FORMS OF CHEATING: PLAGIARISM

- What is called **plagiarism**
  - Using the work of other scholars or students when preparing coursework or
  - Writing an assignment or examination and pretending it is your own by not acknowledging where it came from
- Appropriate people with whom you should discuss how to properly use and acknowledge the work of others:
  - Course coordinators
  - Lecturers or tutors

TO NOT BE IDENTIFIED AS CHEATING

- Always do individual assignments by yourself
- Never loan your code to another person
  - Never put your code in a public place (e.g., your web site).
- Never leave your PC without locking the screen (e.g., to get food, to have a drink, or to go to the toilet)
  - **You** are responsible for the security of your account
- Never get code from a tutor (e.g., private tutors)
  - Several tutors have been caught giving the same code to all their students
- Always reference the source for text you copy as part of the answer to an assignment