COMPSCI 220 S1 T – 2008
Algorithms & Data Structures

Prof. Cris Calude

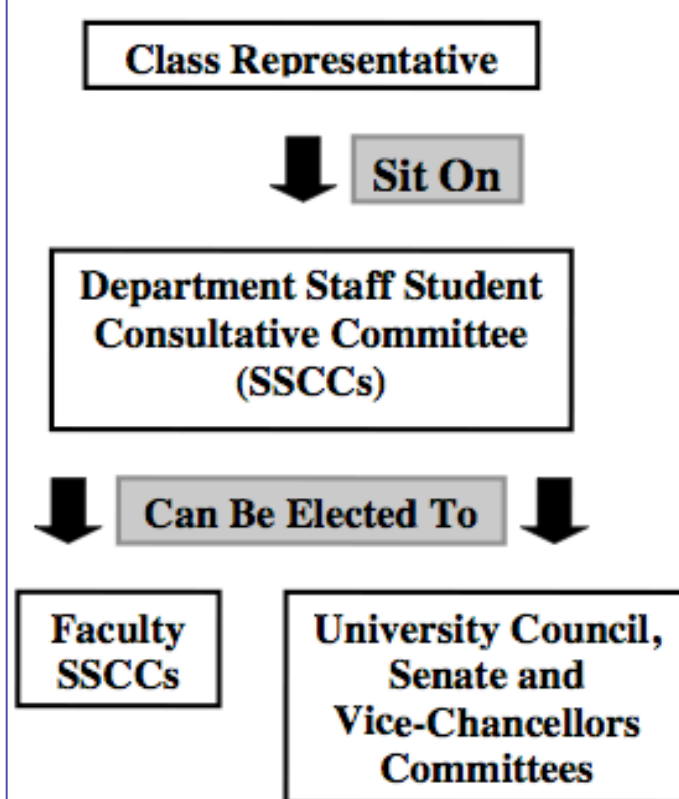**Associate-Prof. Georgy Gimel'farb**

Dr. Mark C. Wilson

Contents

1. **Introduction to Algorithm Analysis** → A/P Georgy Gimel'farb; 11 lectures

2. **Introduction to Graph Algorithms** → Dr. Mark Wilson; 11 lectures

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

   - **Theory:** Test (10%), Exam (65%)

   - **Practical work:** 3 assignments (25%)

     - Assessment: detailed in the assignments

www.cs.auckland.ac.nz/courses

- **Tutorials:** starting from the second week
  - Not compulsory
  - See the course webpage for their schedule
    - www.cs.auckland.ac.nz/courses/compsci220s1t
  - Tutor: Helen Gu: room 341 bldg 731
- **Assignment submission**: via the ADB
  - Penalty for too late submissions
  - No access after the final deadline
- **Textbook**:

  M.Dinneen, G. Gimel'farb, M.Wilson "*Introduction to Algorithms, Data Structures and Formal Languages*", Pearson Education, 2004

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