

# COMPSCI 777 S2 C Game Technology

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#### **Departmental Policy on Cheating on Assignments**

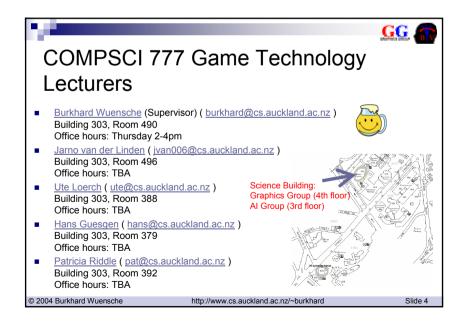
- 1. The Computer Science Department uses many ways to check that the work students submit for marking is their own and was not produced by, or copied from, someone else. In particular, for most programming assignments, the department uses a program comparison program to automatically compare all submissions from students. Also Turnitin.com may be used on essays and reports. This detects similarity to online material and submitted works in its own database.
- 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.
- 4. All students who submitted these assignments are entered in the duplicate assignment register.
- A standard email (see below) is sent to these students.
- 6. Repeat offenders may be referred to the University Disciplinary Committee.

For more details see http://www.cs.auckland.ac.nz/CheatingPolicy.html

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#### COMPSCI 777 - Game Technology Lectures

Lectures:

Day	Time	Room
Tuesday	12-1pm	Rm 279
Thursday	12-1pm	Rm 279
Friday	12-1pm	Rm 279

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## COMPSCI 777 - Game Technology Fxam

Exam: 60% of final mark

Date: Saturday, 6th November, 2.15pm

(subject to change)

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# COMPSCI 777 Game Technology - Assignments

Worth 40% of total marks - split between Computer Graphics & Al

Assignment 1 – worth  $6\frac{2}{3}$  % of final mark, Due date: probably 9th August (see assignment handout for details)

Late hand in: 1 day after the due date (5% penalty) No assignments accepted after the 'late day'.

There will probably be 4-6 assignments in total!



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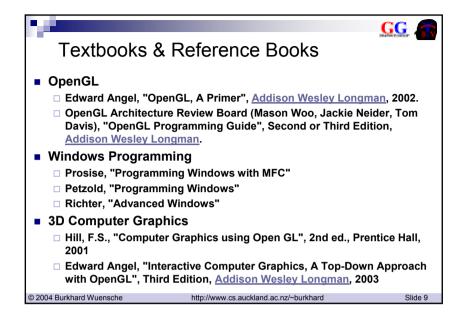
#### COMPSCI 777Game Technology **Course Description**

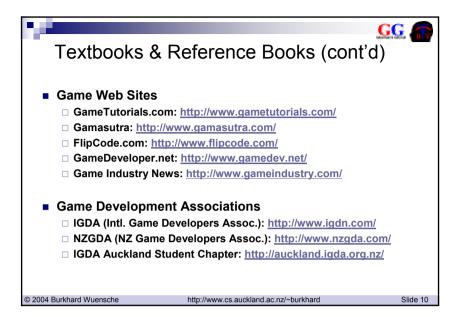
An advanced course looking at some of the computer graphics and artificial intelligence technology involved in computer games.

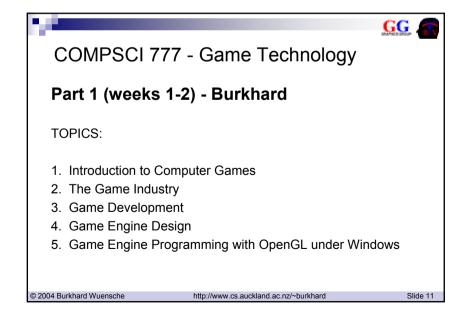
Typical topics are: an introduction to the gaming industry; commercial modelling and animation software; maximizing graphics performance, including such techniques as visibility preprocessing, multiple levels of detail, space subdivision, fast collision detection, direct programming of the graphics card; Al for computer games, including decision trees, rule-based systems, path planning, flocking behaviours, intelligent agents; research issues, such as physically-based modelling, terrain generation, computer learning.

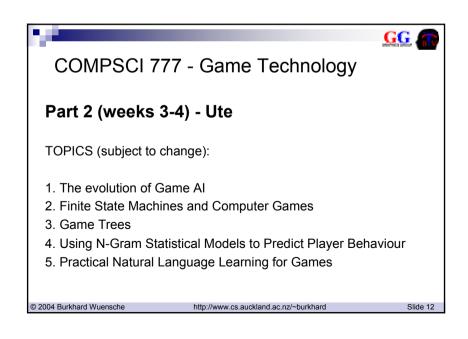
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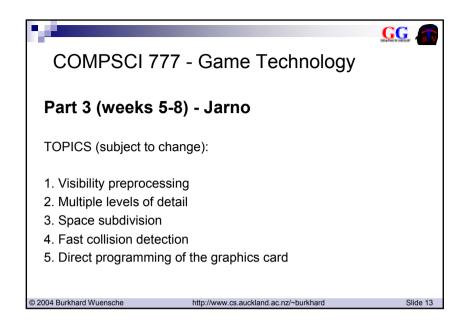
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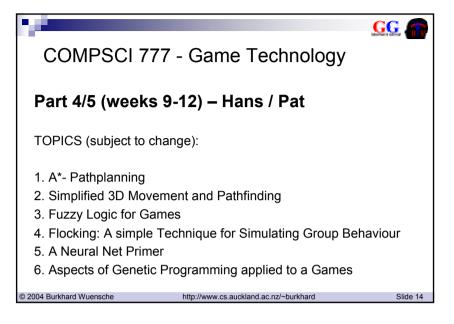


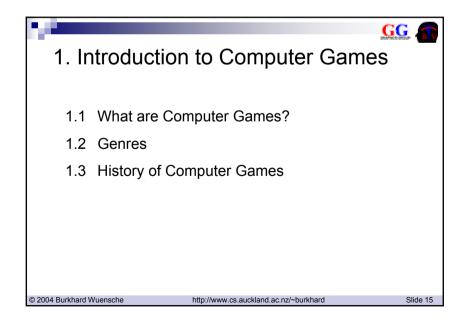


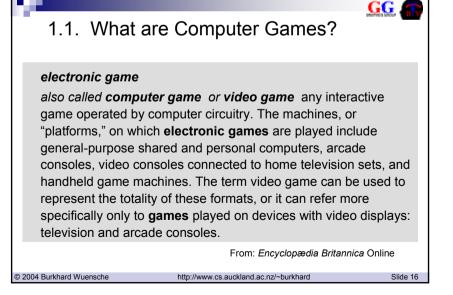


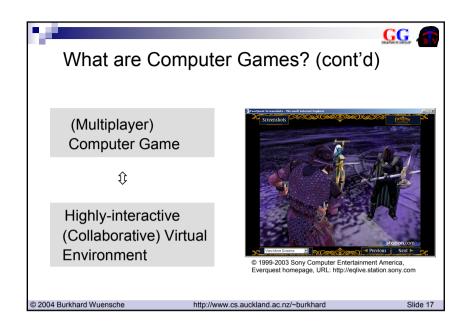


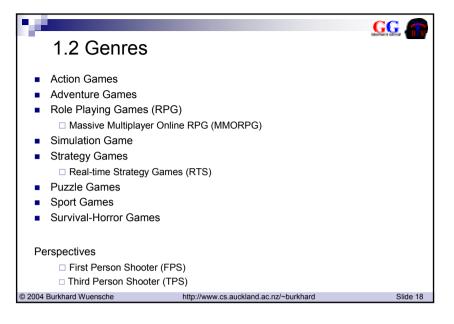


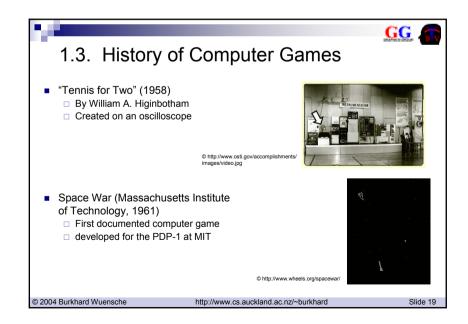


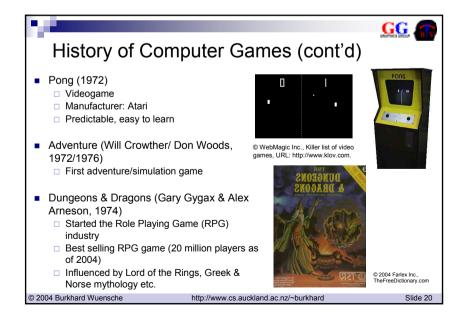


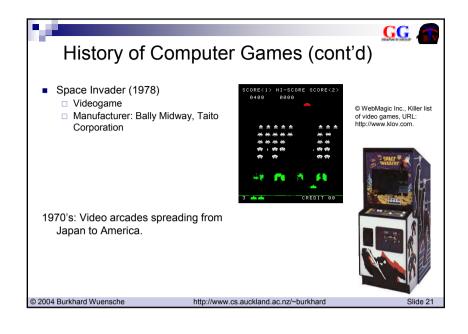


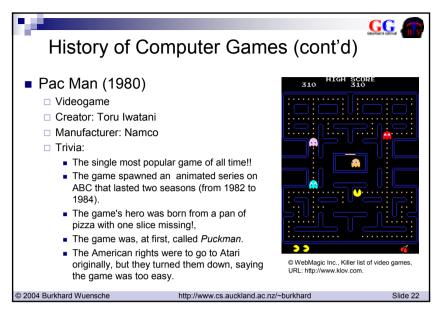


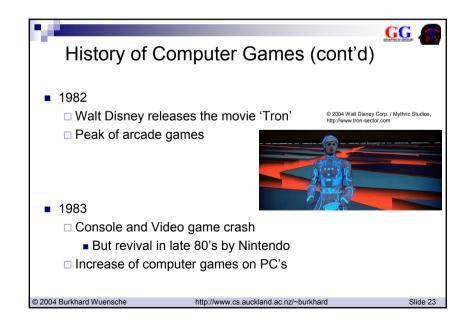




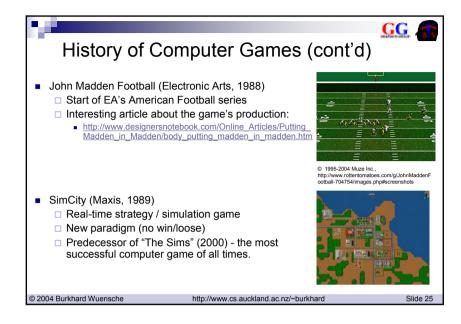


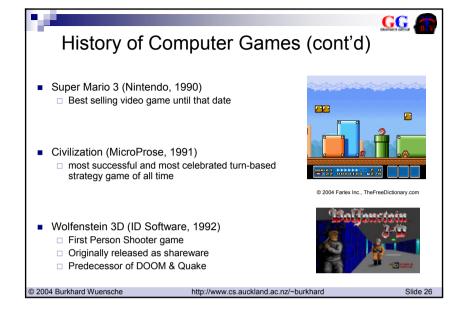


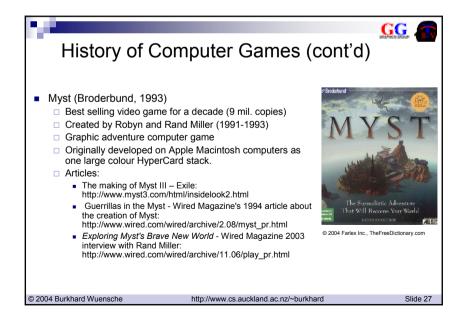


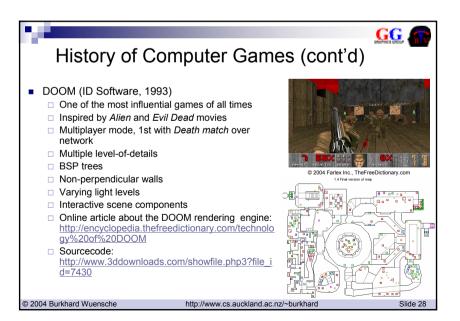


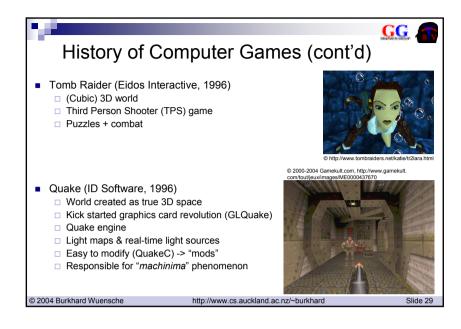


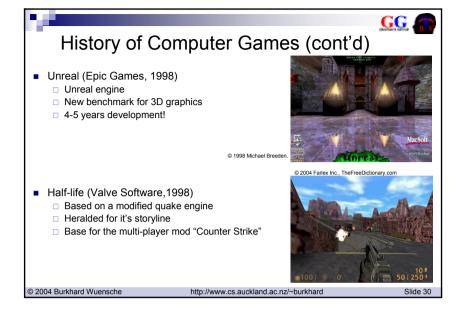




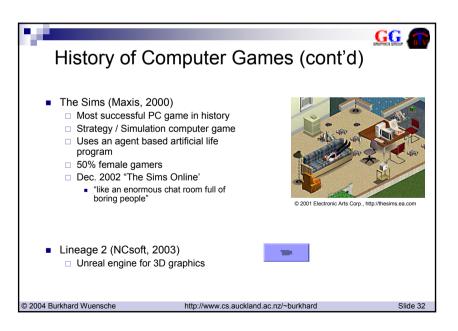


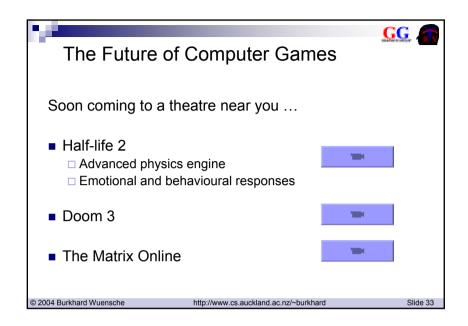


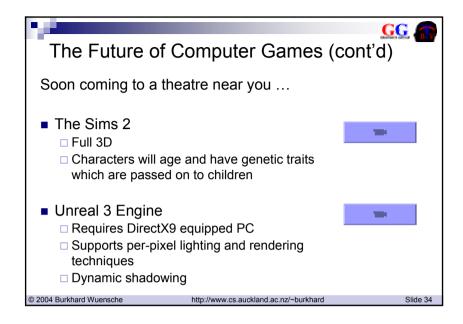








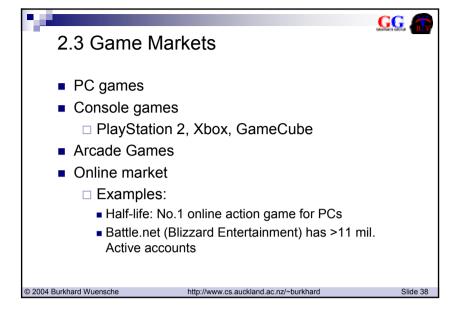










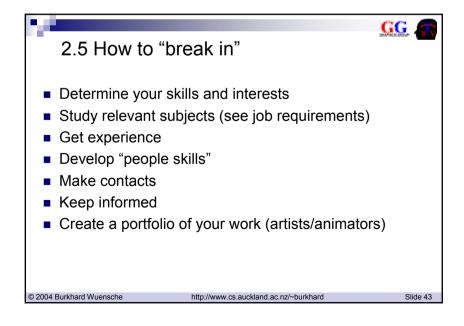




















### Job Requirements

- Example: Sidhe Interactive's advertisement for a programmer (July 2004) lists the following skills:
  - ☐ University Computer Science degree or equivalent
  - □ Strong C++ programming and math skills
  - ☐ Understanding of object oriented design and programming techniques
  - ☐ Comfortable working in a managed team environment
  - ☐ Able to work well under pressure and to tight deadlines
  - □ Good communication skills
  - ☐ Professional game development experience desirable but not required
  - ☐ Knowledge of Al, 3D graphics, sound, or physics principles beneficial
  - □ Experience in large, team based software projects preferred

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