

# THE UNIVERSITY OF AUCKLAND

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**FIRST SEMESTER, 2008**  
**Campus: City**

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**COMPUTER SCIENCE 705 and SOFTWARE ENGINEERING 702**

## **Advanced Human Computer Interaction**

**(Time allowed: Two hours)**

**NOTE:** Answer ALL 3 Questions from section A and 1 question from section B. All questions are 25 Marks

### **Section A (75 Marks)**

Answer **all** questions from this section. All questions are 25 marks.

1. Something from Gerald's lectures.
2. Something from Beryl's lectures
3. Something about the projects.

### **Section B (25 marks)**

Answer **1** question from this section. Your answer must draw on the seminars presented during this course. You will receive **NO** marks from material drawn from your own seminar topic.

1. **User Interaction Devices:**  
Brain Computer Interaction, Multi touch, Physical play
  2. **Interaction Paradigms:**  
metaphors, command line interfaces, fish eye
  3. **Non-Text Based Usability:**  
maths tutors, physics tutors, maps  
constraint based drawing
  4. **Artificial Intelligent Support:**  
semantic wiki, agents, recommender systems
  5. **Interface Support for Sensory Impaired People:**  
robots, elderly
  6. **Model-based UI Generation:**  
automatic gui generators, behavior reflection
  7. **User Frustration:**  
user frustration
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