The Start of the Journey: BSc(Hon) at UoA

BSC(Hon) Coordinator: Jiamou Liu

Semester 1, 2017
Who am I?

My role as BSc(Hon) Coordinator: “Housekeeper” of the degree

- Approval of Admissions
- Approval of Enrolments
- Approval of Grades
- Changing courses
- Oversees the general process of CS789A/B (but not the academic contents)
- Advises
A **Prestigious degree**

Eligibility: BSc with Computer Science, GPA ≥ $B$
6 Stage III papers (incl. 3 CS papers)

Examination Regulation of the University of London, 1839

Examination for Honours.

120 Any Candidate who has passed, and has produced a Certificate showing that he has not completed his Nineteenth year, may be examined for Honours in Mathematics and Natural Philosophy, and also in Classics.

Candidates for Honours in Mathematics and Natural Philosophy shall be examined in the following subjects:

- Arithmetic and Algebra.
- Geometry.
- Plane and Spherical Trigonometry.
- Conic Sections.

130 The elements of Statics and Dynamics.
The elements of Hydrostatics.
The elements of Optics.
A Privileged degree

- BSc (3 years)
- BSc conjoint (4 years minimum)
  - GradDipSci (1 year)
  - Postgraduate diploma (1 year)
  - BSc (Hons) (1 year)

Masters

PhD (3 years minimum)
Congratulations and Welcome

A Useful degree

A Degree is a smart investment

16 February 2016

New data released today by Universities New Zealand - Te Pōkai Tara shows the value of investing in a degree with a typical graduate earning around $1.6 million more over their working life than a non-graduate.

<table>
<thead>
<tr>
<th></th>
<th>No post-school qualification</th>
<th>Lvl 4 (Certificate)</th>
<th>Lvl 5-6 (Diploma)</th>
<th>Lvl 7 (Bachelors)</th>
<th>Lvl 8 (Honours)</th>
<th>Lvl 9 (Masters)</th>
<th>Lvl 10 (Doctorate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Annual Income 20-65+ Yr Olds Full Time &amp; Part Time</td>
<td>$43,412</td>
<td>$41,359</td>
<td>$47,949</td>
<td>$57,654</td>
<td>$64,544</td>
<td>$64,202</td>
<td>$83,112</td>
</tr>
<tr>
<td>Total Annual Income 20-65+ Yr Olds Full Time Only</td>
<td>$58,183</td>
<td>$54,007</td>
<td>$62,695</td>
<td>$75,618</td>
<td>$81,850</td>
<td>$82,559</td>
<td>$99,279</td>
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<tr>
<td>Avg Annual Income 30-39 Yr Olds</td>
<td>$54,148</td>
<td>$53,526</td>
<td>$58,679</td>
<td>$71,326</td>
<td>$77,084</td>
<td>$74,749</td>
<td>$83,041</td>
</tr>
<tr>
<td>Total people aged 30-39</td>
<td>127,122</td>
<td>31,639</td>
<td>28,332</td>
<td>74,992</td>
<td>15,511</td>
<td>13,711</td>
<td>2,841</td>
</tr>
<tr>
<td>Additional lifetime earnings above a school leaver 20-65+ Yr Olds</td>
<td>$0</td>
<td>$71,161</td>
<td>$942,179</td>
<td>$1,381,743</td>
<td>$1,643,726</td>
<td>$1,623,010</td>
<td>$2,088,255</td>
</tr>
</tbody>
</table>
Congratulations and Welcome

A **Valuable** degree

**Figure 4.** Employment rates and earnings for New Zealand-based Computer Science young, domestic graduates 1 and 7 years after study

Ministry of Education 2014
"What young graduates earn after they leave study"
One-year study (Full Time), Two-year study (Part Time)
BSc(Hon) Dissertation CS789A/CS789B
Six other CS 700-level papers
May include two 700-level papers from other related disciplines
Enroll into your second semester papers as soon as possible
Make sure you meet the prerequisites for the papers
Regulations

You must submit:

1. **Research proposal**: To make sure that you have made progress towards the planning of your dissertation within the first month.

2. **Research diary**: To make sure that you commit to 10 hrs of work each week.

3. **Dissertation**: The final deliverable.
Proposal (Deadline 5pm April 5, 2017)

- Length: 2-5 pages.
- How to submit: Place paper copy in Jiamou’s mailbox at Level 4.
- Write down a preliminary title of your dissertation
- Research questions and goals (What do you plan to investigate? What do you aim to achieve?)
- Motivation and background (Why is the topic worth investigating? What others have done in this area?)
- Research methods (How do you plan to complete your work? What theories/ideas/tools do you need to carry out your work?)
- Plan (Specify the time for weekly meetings with your supervisor(s); expected activities/outcome for each month)
- **Important!** Make sure the proposal is agreed on by both your supervisor and yourself. Get your supervisor’s signature on the front page before submission.
Research Diary (Deadline 5PM October 30, 2017)

- Length: Record weekly activities (dated, 33 Weeks)
- How to submit: Place paper copy in Jiamou’s mailbox at Level 4
- Communications with supervisors
- Progress on reading/programming
- Examples/Sketches/Figures
- Issues/Challenges

The content of the research diary should justify that you spend 10 hours per week on the dissertation topic
Dissertation (Deadline 5PM October 30, 2017)

- How to submit: Send PDF file to Charlotte Li-Preuss at c.li-preuss@auckland.ac.nz

- Your supervisor sets the standard: format, length, writing style, references, contents, structures, etc.

- No extension unless EXTREMELY EXCEPTIONAL cases.

- **Crucial!!!!!** It is *your* responsibility to meet this deadline and submit your work on time.

Fail to meet the deadline may result in you not getting the degree.
Managing Your Relation With Supervisors

- Be proactive, Be communicative, Be respectful
- Develop a long lasting relationship

**Recommendations:**

- Set up a weekly meetings time
- Keep your supervisor informed (plans, holidays, etc.)
- Ask your supervisor for course selection
- Create a shared directory (dropbox) with your supervisor
- Add your supervisor to your social medias

"I'm coordinating five different R&D projects, but SURE, I can spare a minute."

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Managing Your Own Work

- Time management
  
  *Time flies!*
  
  You have slightly more than 7 months, not a year!

- Develop plans and follow them

- Find the right balance
Research

- Use appropriate language
- Literature review
- Think
- Try
- "Dirty works"
What’s Next?

Computer Science Research at UoA

- Theory
- Intelligent System and Informatics
- Software Engineering
- System

**Full PhD Scholarship** if your grade is A or above.

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