University of Auckland

415.360

Functional Programming

Christian Collberg

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Administrivia

Functional and Logic Programming – 415.360

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Lectures	:	Tue, Fri 2 pm SLT1; Wed 3 pm MLT2
Textbook	:	Bird & Wadler – Introduction to Functional Programming

415.360 – Overview

Section #	Section Name	From	To	Lecturer
1	Intro FP	Feb 27	Mar 15	Christian
2	Advanced FP	Mar 18	Apr 17	John
3	Intro LP	Apr 19	May 10	John
4	Advanced LP	May 14	May 31	Christian

- FP = Functional Programming; LP = Logic Programming

415.360 – Course Work

Ass #	Assignment	Out	Due	% of Course work
1	Intro FP	Mar 1	Mar 8	10
2	Intro FP	Mar 8	Mar 22	15
3	Advanced FP	Mar 22	Apr 19	25
4	Intro LP	Apr 19	Apr 26	10
5	Intro LP	Apr 26	May 17	15
6	Advanced LP	May 17	May 31	25

Handouts, Homework, etc. I

1. I always make copies of my transparencies available to students. Note that
   - I do this to relieve you of having to take notes during lectures,
   - they are not substitutes for reading the textbook,
   - they occasionally contain errors)-:,
   - their primary purpose is to remind you of what you need to study for the exam.

Slide 0–4

Handouts, Homework, etc. II

2. I expect you to read the textbook. Each handout will list the relevant sections.
3. Each handout will contain some homework assignments. I expect you to work them promptly after each lecture.
4. Various information regarding the paper (including postscript files of the handouts) can be found on the info-bahn:

http://www.cs.auckland.ac.nz/~collberg/
415.360/index.html

Slide 0–5

I Don't Understand...

If you have problems understanding a certain point in a lecture, you have several options (from best to worst):

1. Interrupt me during the lecture and I'll try to come up with a better explanation.
2. Email me after the lecture. I'll probably send the answer to the entire class (without the name of the person who asked, of course).
3. Come see me in my office during office hours (Thursday mornings).
4. Ask the person sitting next to you (preferably in a loud voice).
5. Wait to ask me until the week before the exam.

Slide 0–6

Cheating

- You are expected to work your assignments alone, without help from others.
- I will answer questions (of a general nature) about the assignments in class.
- If you are caught cheating you may
  1. Loose all marks for that assignment,
  2. Be brought before the disciplinary committee,
  3. Be expelled from the university, temporarily or permanently.

Slide 0–7

Offensive Email

- At the end of last year we sent a couple of students to the Discipline Committee for a barrage of offensive e-mail that got sent to all undergraduates. The outcome was that they were both banned from Computer Science papers for a year.
- Offensive e-mail and network postings will not be tolerated.
- Think **very** carefully before any posting to groups of people, remembering the wide mix of students we have in our courses.

Slide 0–8

Class Representatives

- Please elect a Class Rep amongst yourselves.
- Fill in the person's data here, so that you can easily reach them:

Name	
Phone Number	
Email login	

- I will also need the following information about the Class Rep:

ID Number	
Address	

Slide 0–9

Summary

- This is what a summary slide will look like. It will contain info on what to read.
- There will be six assignments all together, three on functional programming, and three on logic programming.
- Buy the textbook.
- Read the textbook.
- Read the handouts.
- Ask questions in class or through email.
- Don't cheat on assignments or exams.
- Don't send offensive email messages.
- Don't post offensive usenet messages.

Slide 0–10

Homework

- This is what a homework slide will look like.
- Every handout will have a number of homework assignments.
- Always try to do the homework, as soon after the lecture as possible.
- When you have done the homework, try it out on the computer.
- The homework exercises are designed to help you understand the material and to prepare you for the assignments.
- When (if?) a significant proportion of the class has worked a homework exercise, I'd be happy to go over it in class.

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