Application Programming G52APR

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http://modulecatalogue.nottingham.ac.uk/nottingham/asp/moduledetails.asp

Lectures and Labs

<table>
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<tr>
<th>Lectures</th>
<th>Monday 15:00 (LT3)</th>
<th>Thursday 15:00 (LT2)</th>
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<td>Labs</td>
<td>Thursday 12:00</td>
<td>Friday 11:00</td>
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Introduction

- Writing Programs in an OO-fashion
- Application Developers Point-of-View
- Technology and Methodology

Assessment

- 100% Coursework
- Designing and Implementing suitable piece of software
- To be decided
- In several parts from about week 3 or 4
- NOTE other coursework leading up to the assessed coursework will be set
- Also revision lectures and labs will be made available
G52APR

• New module last year
• Introduced into new syllabus in 2010
• No prior exams, but not to worry – there is no exam!
• More details on the coursework later (some ideas now)…

Content?

• Introduction (cah)
• Revision (cah) - optional
• OO Recap (cah)
• Class Design (cah)
• OO Decomposition (cah)
• Design Patterns 1 & 2 (jwl)
• String Things 1 & 2 (cah)
• Threading 1 & 2 (jwl)
• Networking 1, 2 & 3 (jwl)
• Database 1, 2 & 3 (jwl)
• 9XML 1, 2 & 3 (jwl)
• XSLT and DSL (jwl)
Contents (probable)

Resources

- Use google for now – sun java docs are excellent
- Books etc will be recommended next week (but should only be bought if you are struggling)
- Lecture notes will be available, but may only be ready the day before as it’s a new lecturer and updated content
Resources

- **Head First Design Patterns**
  Eric and Elisabeth Freeman
- O’Reilly

Resources

- **Design Patterns**
  Erich Gamma
  Richard Helm
  Ralph Johnson
  John Vlissides
- ‘Gang of Four’
  The text on design patterns
Resources

• Lecture Notes
  will be linked from
  www.cs.nott.ac.uk/cah/Teaching.htm