## B336 Advanced Internet Computing

# Exam Information
# &
# Unit Conclusion

# Lecture Outline

- Basic exam information
- What will and will not come out in the exam
- Concluding remarks about this unit

# Exam Venue, Time and Date

- Time & Date
  - 9:30am 20th June 2001
- Venue
  - ECL Lecture Theater 2.
- Duration
  - 3 hours + 10 minutes reading time

# Sample Exam

- Available from
    - http://www.it.murdoch.edu.au/units/b336/exam/index.shtml

- The questions in the final exam **will not be the same**, but the style and technical difficulty will be similar.

# Pass Year Exam

- The only pass year exam (in year 2000) is **not** relevant.

# Marks

- Total marks of the exam paper: 120 marks.
  - Part I: questions 5 to 10 marks each
  - Part II: two questions of 20 marks each.

# Answering Questions

- Write the answers on the question paper itself.

- There are ample space provided (eg. some 5-mark questions have a whole page allocated to it)
    - Do **not** use the space provided as an indication of the length of the answers required. Read each question carefully and answer them directly.

# Subjects covered in this unit

- Web client/servers
  - web server management (using apache in labs)
  - writing your own simple HTTP clients and servers
- XML Technologies
- Solutions for online services today
  - example XML applications
  - Case studies in development platforms
- Wireless applications and WAP
  - The concept of writing wireless applications and the WAP architecture
  - WML and WMLScript

# What will DEFINITELY come out in the exam

- Writing or explaining:
  - Basic XML documents with DTDs
  - Simple XSLT style sheets
    - Simple to the level of the examples given in the lab exercises.
- Explaining:
  - Perl code for web server and web client, as given in the lectures
  - WML and WMLScript code

# What will DEFINITELY come out in the exam

- The list in the previous page IS NOT COMPREHENSIVE!
  - There are many other types of questions which will appear in the exam which are not on the list.
  - It is to let you know what you must AT LEAST study for.

# What will DEFINITELY NOT come out in the exam

- You will **not** be asked to write the following code **from scratch** (you may, however, be asked to decipher or explain example code):
  - web servers and web clients
  - WML and WMLScript code
  - Apache directives
- You will also **not** be asked about details of example XML applications and entreprise XML environments
  - but you may choose to use them to support your answers about concepts of XML

# Also concentrate on...

- Make sure you understand **the point of having** the various technologies.
  - XML (and it's components)
  - WML and WMLScript
  - Components of web servers and web clients (eg status codes, requests, responses, etc)

- No guarantees on what type of questions on these, though.

# Learning Objectives for this unit (in a nutshell)

From our first lecture:

1. Understand technologies.
2. Write software.
3. Construct solutions.
4. Don’t depend on spoon-feeding.

# Internet Application Development

- The basic process of creating applications for the Internet would follow the first 3 objectives.

- Understanding the basis on the process will stand you in good stead on the future
  - Where to find information, who to ask
  - What overall concepts to learn first, what details to learn later as required
  - How to gleam key things from examples
  - When you actually need to read specifications
  - etc

# Internet Application Development

- After you graduate, you will no longer have a unit structure and material to guide you in that process.
    - Learn to identify those components yourself

# The Ability to Manage Change

- Finally, as my concluding point for this unit, I can't emphasize the unit's Learning Objective 4 enough.

- Your most (and perhaps only) dependable skill you can take for the rest of your career in Internet development is **the skill to teach yourself**.
    - I don't know what the long-term future is going to be like, I only know it is going to be very different from what it is now.
    - The people who thrives are the ones who are not left behind.

# Never assume you know

- A true anecdote: Most of our IT students who takes 1st year units in their 3rd year usually averages a C for those units.
  - They start the semester knowing 50%-60% of the material, therefore think it is easy, and so end the semester still knowing only 50%-60% of the material.
  - While good “naïve” 1st year students start the semester with 0%, and end up knowing 80%-90% of the material.
- In this field, never say “I know” - only say “What else can I learn”