**Seminar 13: Revision**

Semester 2, 2005

**Seminar Objectives**

This seminar will:
- Review the content covered by IMS1502
- Help you prepare for your IMS1502 Exam

**S1: Specifying a System (CG)**

- What do we do when specifying a system?
- What are the typical contents of a System Requirements specification?
- Need to know the Systems Development Life Cycle – the key phases ... main tasks and deliverables, and understand how the six phases of the SDLC are interrelated

**S2: Data Gathering and Analysis - Interviews (SW)**

- Find out what your client(s) require
- Make sense of the existing system
- Prepare for the interview(s)
- What unique insights can interviews provide?
- What challenges can interviews provide?

**S3: Data Gathering and Analysis - Documents (SW)**

- offer insight into goals, policies and practices (including how the present system functions)
- provide an important starting point
- assume a variety of forms
- have their own limitations
• Why do projects fail … what are the risk factors? How do you manage the risks?
• What helps make a project successful?
  Consider your own experiences in IMS1502 and the guest presenters when thinking about this
• Key phases in the project life cycle
  – Initiation, Executing, Planning, Controlling, Closing
• Understand the need and role of quality in systems development … be able to define quality
• Be able to define standards and reviews and understand their importance to quality
• Know the range of quality requirements which may be applied to system development products and processes
  – Eg. correctness, reliability, efficiency, etc…

S6: Information Architecture (SW)
addresses the organisation of information within a website:
  – What individual pages contain (content)
  – How information is sorted (classification)
  – How pages are connected (structure)
  – How users move around the site (navigation)

S7: IT Architecture (KL)
• It is full of jargon and in IT architecture it is more prominent than other areas of IT.
• You need to know the acronyms, eg LAN, WAN, TCP/IP, WiFi just to name a few

S8: HCI Principles (KL)
The three golden rules for HCI are:
  1. Put the user in control
  2. Reduces user’s cognitive load
  3. Consistent interface
• All of which are based on theories and principles > standards (You should be familiar with these theories and know at least one in detail: eg Millers, colour, Fitts’ Law, memory, mental models, conceptual models)

S9: Prototyping in action (KL)
• What is prototyping?
• Advantages and disadvantages?
• When to prototype?
• Types of prototyping
• assume a variety of forms
• seek to persuade/change attitudes/create a desire for/enlist support for/implant ideas
• need to identify and reach their audiences
• require user testing (like systems design, like information architecture projects)

• Features of good
• Features of poor presentations
• Planning a presentation:
  – Know the audience
  – Know the venue and equipment
  – Rehearse presentation
  – Write the presentation for the audience

Unit Assessment

• Exam - 20%
• Other Assessment – 80%
• a pass requires a final mark of 50% or more
• hurdle - you must earn a minimum of 40% for the exam AND a minimum of 40% for the assignments

Example of assessment hurdle

• Practical mark = 60/80 = 75%
• Exam mark = 6/20 = 30%
• Total mark = 66/100 = FAIL !!

WHY?
• Because the Exam mark is less than 40% the officially recorded result will be a failed result of 44%
- Analyse each week’s lecture
  - Address the learning objectives for each week
  - Identify the major issues
  - Think about the main issues discussed in lectures
- Mind map using the SDCL phases
  - Use memory joggers to help you remember important points
- Answers to the short answers:
  - Read what is required ie does it say list, describe, discuss, briefly discuss, name …
  - Prepare the answer based on these descriptors eg.
  - Describe DOES NOT MEAN LIST — you will not gain full marks if you do not follow the question requirements
- Time yourself – you only have two hours

Finally:

Thank you to all the students who regularly attended the seminars and studios … we really appreciate it

BEST OF LUCK FOR ALL YOUR EXAMS