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
- can lie
S4 + S12: Project Management (CG)

- 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

S5: Quality in Systems Development (CG)

- 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. Reduce 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
S10: Promotional Documents (SW)

- 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)

S11: Presentation skills (KL)

- 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%

Exam Format

- 10 mins reading, 2 hours writing
- Write in exam booklet
- 9 questions worth 100%
  - Q1: Multiple choice – 18 questions
  - Short answer / Essay style / Scenario questions
  - Q2: 15 marks
  - Q3: 8 marks
  - Q4: 12 marks
  - Q5: 7 marks
  - Q6: 5 marks (select 1 to discuss)
  - Q7: 10 marks
  - Q8: 10 marks
  - Q9: 15 marks

Hints

- THERE WILL BE SHORT ANSWER QUESTIONS ON:
  - The Systems Development Lifecycle
  - Presentations
  - Project management

........ as well as other topics
Exam Preparation

- **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**

Exam cheating

- Don’t do it
- You will get caught
- We know all the tricks

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**