Seminar Objectives

At the end of this seminar you should:
- understand the administration, objectives and structure of IMS1502
- be aware of the content outline of the unit
- understand the purpose of the System Requirements Specification

Overview

- Introducing the academic staff
- Tutorial staff
- Unit objectives
- Semester structure
- Text books
- Workload
- Assessment
- Plagiarism
- Your responsibilities
- Unit framework
Unit Staff

Studio Academics:

- Chris Gonsalvez (Unit Leader)
  S7.32, ext. 33134, chris.gonsalvez@infotech.monash.edu.au
- Kathy Lynch
  S4.04, ext. 32283, kathy.lynch@infotech.monash.edu.au
- Steve Wright
  S7.14, ext. 32294, steve.wright@infotech.monash.edu.au

Tutors:

- Paschalis Kalogeras
  T1.26, paschalis.kalogeras@infotech.monash.edu.au
- Ken Lin
  T1.26, klin@infotech.monash.edu.au
- Natalia Tame
  T1.26, natalia.tame@infotech.monash.edu.au

IMS1502 Unit Objectives

**IMS1502 aims to:**

- apply and integrate fundamental knowledge from other first year units in the BIS program
- extend students’ skills in the use of productivity applications
- expose students to network fundamentals
- provide opportunities for students to work in small groups and further develop their skills in system development, communication, team work and project management

Semester structure

**Seminars**

- Monday 3 pm – 4 pm, Building S – Link Theatre
  - Purpose

**Studio**

- As per your allocated studio
  - Purpose
  - Academic & tutor roles
  - Past experiences

**Student attendance & participation**
IMS1501 Performance

<table>
<thead>
<tr>
<th>Exam Mark</th>
<th>Unit – Final Mark</th>
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<tbody>
<tr>
<td>&lt; 50</td>
<td>Fail</td>
</tr>
<tr>
<td>50 – 59</td>
<td>Pass</td>
</tr>
<tr>
<td>60 – 69</td>
<td>Credit</td>
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<tr>
<td>70 +</td>
<td>Distinction</td>
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<td>15%</td>
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<td>4%</td>
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<td>4%</td>
<td>WH</td>
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Studio sessions

All studio sessions will be held in Studio T 1.26

- Studio 4 – Tuesday 2 pm – 5 pm
  Steve Wright & Natalia Tams

- Studio 2 – Wednesday 1 pm – 4 pm
  Kathy Lynch & Ken Lin

- Studio 6 – Thursday 11 am – 2 pm
  Chris Gonsalvez & Paschalis Kalogerias

Studio academics will attend one hour of their studio session

Textbooks

Recommended texts:
Anticipated Workload

- 1 hour seminar
- 3 hour per week studio session
- 8 hours per week reading, preparation for seminars and studio sessions, and completion of assignment work

Assessment

IMS1502 is a 6-point, single semester unit. The assessment comprises:

- 70% - assignment - combination of individual and group items
- 10% - reflective work
- 20% - examination

Rules:
- 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
- see unit outline for further details

Example of assessment hurdle

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

Because the Exam mark is less than 40% the officially recorded result will be a failed result of 44%
Exam

- The exam will be held during the formal examination period
- Details about the format and content of the exam will be discussed in Week 13 – Revision session.

Plagiarism/cheating

- The university and the school have various policies regarding plagiarism
  
  My advice: Don’t do it
  You will get caught

Academic grievance

- If you have a problem: LET US KNOW
  - Tutor
  - Studio Academic
  - Studio Year Leader (Ms. Chris Gonsalvez)
  - Director of Undergraduate Studies (Dr. Kathy Lynch)
  - Associate Head of School (Ms. Chris Gonsalvez)
  - Head of School (Assoc. Prof. Graham Farr)
  
  We cannot help if we don’t know about it
  Please let us know before it is too late

- The university and the School have various policies regarding academic grievance
In Conclusion: Your responsibilities

- You are responsible for your own learning
  - Lessons learnt in this unit will serve you well throughout your course
- We help you with information and services
- You must:
  - read widely, ask questions, think, actively participate
  - practice what you learn
  - manage your time well
  - ask when you do not know
  - have fun and enjoy your learning – this is the best time of your life (really)

What is this unit about?

**Systems Development**

- **Analysing the System**
  - Data Gathering – interviewing, document analysis
  - Writing the specification, promotional documents
  - Presenting to the stakeholders
- **Designing the System**
  - Information and IT Architecture
  - Human Computer Interaction Principles, Prototyping
- **Managing the Process**
  - Project Management
  - Quality

**IMS1502: Unit framework**
Specifying a System

When specifying a system we try to:

• understand WHAT it is that the user wants
• show them that we understand what it is that they want
• understand/establish the scope of the system
• the constraints that the system must work within
• Provide a foundation on which to design and build the system

We do this by producing a System Requirements Specification during the Analysis phase of the SDLC.

Systems requirements include

• functional aspects
  ‘the activities that the system must perform — that is, the business uses to which the system will be applied’
  (Satzinger et al. 2004: 119)

• non-functional aspects
  technical matters, performance, usability, reliability, security
  (Satzinger et al. 2004: 120)

System Requirements Specification: Typical contents

• Front matter
• Introduction
• System overview
• Functional requirements
• Data requirements
• Quality requirements
• Constraints – physical, business, technical, legal
• Appendices

Functional requirements analysis

• ‘In many ways, the functional specification is the most important document we produce during the Analysis phase’ (Blethyn & Parker 1990: 67)
• ‘Requirements determination is the least well-defined phase in the systems development process. One reason for this is that it is the least technical, and therefore the most organisation dependent … [another is that] … requirements frequently change once systems development is underway’ (Flynn 1998: 131)

Functional requirements analysis entails:

• Studying the system
• Determining the logically required tasks
• Determining the most appropriate solution(s)
• Presenting tentative solutions to users (This will be covered in IMS1805)

Assignment

• Preparing a Requirements specification will be the focus of the first part of your assignment
References

- IMS1502 Unit Outline