



THE UNIVERSITY OF
WESTERN AUSTRALIA

Professional Computing CITS3200

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Learning Outcomes

- To develop awareness of the ethical and social responsibilities of computing professionals
- To develop experience using professional practices in a teamwork setting
- To provide a "programming in the large" experience as far as practical within semester boundaries

Learning Outcomes

- To allow for the integration of and reflection on previous computer science knowledge
- To develop student capability, confidence and maturity
- To encourage students to be responsible for their own learning
- To model industrial practice regarding commercial software development, and effective client relationships

Lectures

- Not the primary focus of this unit, but nonetheless very important.
 - *Talks about important issues by high profile people*
- Lectures covering Software Engineering, Ethics, Professional Practice
 - *I.e. How to be a Professional*
 - *Strong industry focus*
- Details of topics and times on unit web page
<http://undergraduate.csse.uwa.edu.au/units/CITS3200/>

The project

- A major piece of work, about 360 hours
- Group size will normally be 6 (i.e. 60hrs/person)
- Programming is one skill amongst many
 - *The Software Engineering related material in previous subjects will be useful.*
 - *Learn to LISTEN*
- Requires commitment and maturity
- Worth 75% (!!!) of unit mark
 - *most of your learning happens here*
 - *one mark per project group (default policy)*

A Brief Word about IP

- Groups have IP in the things that they create
- Project proposers also have IP (not least because the project is their idea).
 - *Possible third party IP (e.g. tools, libraries)*
- Each project has a statement about the IP model preferred by the project proposer
 - *Very rarely a problem, and now know up front*

Team and Project Allocation

- I will be assigning people randomly to groups
- The mapping of people to groups will be posted on the project web page for the unit by tomorrow (Tue) morning
- Arrange a meeting with your group asap, look through the list of projects and email Michael.Wise@uwa.edu.au your references by 4pm on Thursday
- I'll post project allocations on Friday
- Arrange to see your project client asap

Teams

- Teams will have weekly meetings.
 - *Files of Booked Hours spreadsheets, Time sheet and minutes are to be emailed to me on Fridays*
 - *2 marks deducted for each late Booked Hours spreadsheet, Minutes, Time-Sheet*
- First mentor session is in Week 3
 - *Mentor meetings are significant learning opportunities - Don't miss them!*

Assessment

- Team project 75 %
- 4 deliverables, A B C D
 - *Timeline - see Unit Timetable link*
 - *Some more discussion on Wed*
- Team mentoring
 - *4 sessions with a mentor from industry*
 - *3 marks deducted for each missed meeting*
- Essay 25%
 - *Topic linked to Unit Timetable*
- There are no formal labs or tutes (nor exam)

Time management and planning

- Managing your time is a crucial skill
 - *Watch out for spending 15 minutes here and there without getting anywhere*
 - *Minimise wasted meetings*
- Credit will be given for evidence of planning during all phases of the project

Resources

- There is a web page with some resources:
 - *Ethics topics*
 - *Project Related*

Acknowledgements

- Previous CITS3200 Coordinators:
 - *Assoc Prof. Richard Thomas (Web site and general look-and-feel of the Unit)*
 - *Assoc Prof Mark Reynolds*
 - *Ms Sarah Hatton*
- Members of the University community and industrial partners providing projects
- The companies and individuals that have provided mentoring
- Lecturers