



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

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.
- 9 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
- Team size will normally be 6
- Programming is one skill amongst many
 - *The material in Software Engineering 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 team*

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 admin3200@csse.uwa.edu.au your references by 4pm on Thursday
- I'll post project allocations on Friday
- Arrange to see your project client asap

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- Teams will have weekly meetings.
 - *Time sheet and minutes are to be emailed to me on Fridays*
 - *2 marks deducted for each late Minutes/Time Sheet*
 - First mentor session is in Week 3

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 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*
- Industrial partners and colleagues providing projects
- Thales, IBM mentoring
- Lecturers