

COMP 3018 PROFESSIONAL EXPERIENCE

Credit Points 10

Legacy Code 300579

Coordinator Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

Description Professional Experience is a final year 'capstone' project unit. This unit provides opportunities for students to gain hands-on experience in software systems requirements definition, analysis, design and implementation, in a real-world setting. Students work in groups, guided by an academic supervisor or an industry mentor, in achieving the goals set by the client that provides the project. Suitable projects are sourced from external organisations or within Western Sydney University by way of giving the students professional experience in independent learning and reflective practice.

School Computer, Data & Math Sciences

Discipline Programming

Student Contribution Band HECS Band 2 10cp

Check your HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Pre-requisite(s) INFS 2001 OR
INFS 2002 AND
COMP 2020 OR
COMP 2019 AND
INFO 3008

Equivalent Subjects INFS 3004 - Computing Project 1

Incompatible Subjects INFO 3005

Restrictions

Students must successfully complete 140 credit points, with at least 30 credit points of Level 2 units owned by the School of Computer, Data and Mathematical Sciences. Due to the capstone nature students must be enrolled in:

2768 Bachelor of Information and Communications Technology/
Bachelor of Laws
2800 Bachelor of Information Systems/Bachelor of Laws
3506 Bachelor of Computer Science
3634 Bachelor of Computer Science (Advanced)
3639 Bachelor of Information and Communications Technology
3654 Bachelor of Information and Communications Technology/
Bachelor of Arts
3684 Bachelor of Information and Communications Technology
(Advanced)
3687 Bachelor of Information Systems
3688 Bachelor of Information Systems Advanced
3711 Bachelor of Information and Communications Technology (Health
Information Management)
3737 Bachelor of Information and Communications Technology/
Bachelor of Business
3738 Bachelor of Information and Communications Technology/
Bachelor of Business (Accounting)
3744 Bachelor of Information Systems/Bachelor of Business

6034 Diploma/Bachelor of Information and Communications
Technology (Health Information Management)
6039 Diploma/Bachelor of Information and Communications
Technology
6040 Diploma in Information and Communications Technology /
Bachelor of Information Systems

Assumed Knowledge

Software development methodologies; Software analysis and design modelling tools and techniques; Programming languages; Implementing databases management systems; Software construction and testing.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Complete all tasks in the SDLC to produce a software product or a component of one, working independently and under constraints, in a group setting.
2. Produce a full set of professional level documents covering all phases of the SDLC.
3. Integrate skills and knowledge gained from previous units as required by your project.
4. Apply newly learned technologies to the completion of project activities.
5. Mitigate probable risks when planning, organising and controlling project activities.
6. Reflect back on your learning experience and the issues involved when managing software development projects.
7. Demonstrate verbal communication skills when presenting a developed system to a diverse audience.

Subject Content

1. Software system lifecycle including requirements for a software system, software solutions that satisfy requirements, and tools and techniques for the assurance of quality and compliance of the software system throughout its development life cycle
2. Project planning and management
3. Stakeholder management
4. Negotiation, collaboration
5. Reflection for improved performance, professional development and lifelong learning
6. Documentation requirements for communicating software systems requirements and design (technical documentation & document version control)
7. Communication of designs, solutions, ideas to stakeholders

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/ Group Task	Applied Project	2.1 Working Prototype - Demonstrable working prototype that gives the client an idea how the end product would look like (Full functionality is not required)	50	N	Both (Individual & Group)
Applied Project	1.1 Project Plan - Approximately 3,500 words (7-10 pages) (5%) Group submission ** 1.2 Project Proposal - Approximately 3,500 words (7-10 Pages) (5%) Group submission ** 1.3 Systems Analysis & Design Report - Approximately 7,500 words (15-20 Pages) (15%) Group submission ** 1.4 Handover & Completion Report - Approximately 2,500 words (5-7 Pages) (5%) Group submission ** 1.5 Diary and Reflections Report Diary (at least 2 entries per week with each entry of 100-250 words of length). Reflections Report (600 words) 1-2 pages (5%). Individual submission. ** Used as part of the 'groupmark-component' in calculation of Individual Marks in the individual marks calculation tool.	35	N	Both (Individual & Group)	Applied Project	2.1 Working Prototype - Demonstrable working prototype that gives the client an idea how the end product would look like (Full functionality is not required) (10%) Group submission **; 2.2 Completed Final System - Fully functional system, with appropriate base data (where required), that meets all system requirements identified. (40%) Group submission **; ** Used as part of the 'group-mark-component' in calculation of Individual Marks in the individual marks calculation tool.	50	N	Both (Individual & Group)
					Applied Project	3.1 Final Presentation - (25 minutes) (10%) Group Presentation **; 3.2 Abstract & Video - Project Abstract 400 words (1 page) AND Video- (5-8 minutes) (5%) Group submission **	15	N	Group

Prescribed Texts

- No Essential texts

Teaching Periods

Autumn

Campbelltown

Day

Subject Contact Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-AUT_CA_D#subjects)

Penrith (Kingswood)

Day

Subject Contact Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-AUT_KW_D#subjects)

Parramatta - Victoria Rd

Day

Subject Contact Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-AUT_PS_D#subjects)

Sydney City Campus - Term 1

Sydney City

Day

Subject Contact Antoinette Cevenini ([https://directory.westernsydney.edu.au/search/name/Antoinette Cevenini/](https://directory.westernsydney.edu.au/search/name/Antoinette%20Cevenini/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-SC1_SC_D#subjects)

Sydney City Campus - Term 2

Sydney City

Day

Subject Contact Antoinette Cevenini ([https://directory.westernsydney.edu.au/search/name/Antoinette Cevenini/](https://directory.westernsydney.edu.au/search/name/Antoinette%20Cevenini/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-SC2_SC_D#subjects)

Spring

Campbelltown

Day

Subject Contact Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-SPR_CA_D#subjects)

Penrith (Kingswood)

Day

Subject Contact Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-SPR_KW_D#subjects)

Parramatta - Victoria Rd

Day

Subject Contact Rhys Tague ([https://directory.westernsydney.edu.au/search/name/Rhys Tague/](https://directory.westernsydney.edu.au/search/name/Rhys%20Tague/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-SPR_PS_D#subjects)

Sydney City Campus - Term 3

Sydney City

Day

Subject Contact Antoinette Cevenini ([https://directory.westernsydney.edu.au/search/name/Antoinette Cevenini/](https://directory.westernsydney.edu.au/search/name/Antoinette%20Cevenini/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP3018_22-SC3_SC_D#subjects)