

Course Title:	<b>Distributed and Mobile Systems</b>
Course Code:	<b>COMP713</b>
Descriptor Start Date:	<b>31/01/2025</b>
POINTS:	<b>15.00</b>
LEVEL:	<b>7</b>
PREREQUISITE/S:	<b>COMP611</b>
COREQUISITE/S:	<b>None</b>
RESTRICTION/S:	<b>None</b>

## LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

**Total learning hours: 150**

## PRESCRIPTOR

Investigates the design and implementation of distributed systems, including contemporary technologies such as Java Enterprise Edition and .NET, as well as the development of mobile systems.

## LEARNING OUTCOMES

1. Critically evaluate and implement features of client-server systems using Java Enterprise edition and/or .NET.
2. Implement sophisticated mobile systems utilizing messaging, Bluetooth, push registrations, and location-based services.
3. Demonstrate mastery of sophisticated distributed algorithms.
4. Research and apply contemporary remote technologies such as RMI, CORBA, .NET remoting, and web services.
5. Apply standard design principles and algorithms in the construction of a distributed system.

## CONTENT

The course covers the following topics:

Client-server systems, mobile systems, distributed algorithms, distributed objects, web services.

## LEARNING & TEACHING STRATEGIES

**Disclaimer: Course descriptors may be amended between teaching periods/semesters**

Will include lectures, laboratory sessions, class discussion.

## ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Assessment one (software assignments and/or online responses)	40.00	1,2,3,4,5
Assessment two (software assignments and/or online responses)	60.00	1,2,3,4,5

<b>Grade Map</b>	<b>MAP1</b>
	A+ A A- Pass with Distinction
	B+ B B- Pass with Merit
	C+ C C- Pass
	D Fail

### Overall requirement/s to pass the course:

To pass this course, students must achieve a minimum overall grade of C-.

## LEARNING RESOURCES

No prescribed text.

**For further information, contact:** Te Ara Auaha - Faculty of Design & Creative Technologies

<b>Principal Programme:</b>	<b>AK3697, Bachelor of Computer and Information Sciences</b>
<b>Related Programme/s:</b>	<b>AK3698</b>
	<b>AK1041</b>
	<b>AK3001</b>
	<b>AK3003</b>
	<b>AK3756</b>
	<b>AK3706</b>

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