

COSC420 Course Outline

Paper objectives and intended learning outcomes

The objectives and intended learning outcomes are (1) to gain a general knowledge of basic / historical neural network architectures and learning algorithms, (2) to gain practical experience implementing and testing the generalised delta rule learning algorithm in a multi-layer perceptron type architecture, and (3) to gain a general knowledge of deep learning networks and current topics in neural networks research.

Workload expectations

This is a 20 point paper which represents (as per [Otago guidelines](#)) 200 hours of work. There are 26 scheduled lecture hours, leaving 174 hours for reading, the assignment, exam preparation etc.

A statement of assessment requirements in the form of a list of items and their percentage weightings

This can be found on the [course web page](#).

Submission dates and instructions on how to submit assignments

This can be found on the [course web page](#).

Information on lectures, laboratories, tutorials and other scheduled teaching activities

This can be found on the [course web page](#).

Attendance or terms requirements

There are no formal requirements, but you really should come to lectures. Note that some of the assessment weighting is for participation in the quizzes and discussions held in lectures.

Reading requirements

These are outlined in each set of lecture notes.

Information on computing resources and other technologies used in the paper

There are no special resources or technologies required, but see the information on library resources on the [course web page](#).

Details of available resources to support learning in the paper

Beyond course materials and staff, see the resources at [Student Learning Development](#). Please [contact me](#) if you have any special requirements.

A list of teaching and administrative staff associated with the paper

This can be found on the [course web page](#).

Contact details for matters related to the paper

This can be found on the [course web page](#).

If you wish to send feedback on this course (other than via your class representatives) you can email feedback@cs.otago.ac.nz.

A statement on academic integrity and acceptable academic practice

The standard Otago policies apply, see for example [here](#), [here](#), [here](#).

Support for students with disabilities

Please [contact me](#) if you have any special requirements. See also the [Otago Disabilities Information and Support](#) Office and information regarding [special consideration](#) in exams.

Class representatives

Otago has a system of [class representatives](#). When appointed, they will be listed on the [course web page](#).

For further helpful information on Otago policies
please see the [Policy Library](#) and the [Policy Framework](#) for developing
the Policies, Procedures, Guidelines and Codes of Practice of the University of Otago