

Deep learning

Offered by Stellenbosch University

What to expect?

Deep learning has led to major advancements in a vast number of fields, from self-driving cars, advancing medicine and addressing issues in wildlife conservation. This course addresses the fundamentals of deep learning and will explore various modern architectures for image, audio and text related tasks.

Upon completion of this course you will be comfortable with theoretical knowledge of modern deep learning techniques. Furthermore, you will be able to implement various deep learning architectures for image, audio and text related problems. This will equip you with skills that are highly in demand in the machine learning space.

Minimum admission requirements

The applicant must at least hold an approved BTech, BEng, or a BSc degree from a South African university or university of technology. In cases where the applicant's prior learning makes him/her a suitable candidate for the short course, his/her prior learning will be considered by the course leader in the application process. In taking part in this course, it is expected of the student to either:

- Have prior experience in the fields of data sciences and applied machine learning,
- Has successfully completed courses data sciences, applied machine learning.

If either one of these requirements is not met, it is expected of the student to do some prior reading in preparation for this course. Contact the course facilitator for further details if this is the case.

PRESENTERS

Dr E Dufourq, Industrial Engineering

[View Bio](#)

PRESENTATION MODE AND DATES

This short course is presented online. [View dates](#)

The course consists of three parts:

2 Pre-block weeks

1 Lecture week

6 Post block weeks

REGISTRATION

[Register here](#) 2 weeks before the Pre-block starts.

* Take note: your registration and proof of payment must reach us before the Pre-block starts to gain access to the platform SUNOnline.

ASSESSMENT

Pre-block assignment 20%

Lecture week assessments 20%

Post block assignments 3 x 20%

CERTIFICATE OF COMPETENCE

Requirements - 50% average over all assignments submitted

FEES 2022: R 20 000

NQF Level 8

CONTACT

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