

Dataverzameling, -verwerking en -communicatie (C002798)

Cursusomvang *(nominale waarden; effectieve waarden kunnen verschillen per opleiding)*

Studiepunten 3.0 **Studietijd 90 u**

Aanbodsessies en werkvormen in academiejaar 2025-2026

A (semester 1)	Engels	Gent	werkcollege zelfstandig werk hoorcollege
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Lesgevers in academiejaar 2025-2026

Braeckman, Bart	WE11	Verantwoordelijk lesgever
Bert, Wim	WE11	Medelesgever

Aangeboden in onderstaande opleidingen in 2025-2026

International Master of Science in Agro- and Environmental Nematology	stptn	aanbodssessie
	3	A

Onderwijstalen

Engels

Trefwoorden

Computer infrastructure, software, WWW, data-gathering and input, word-processing, spreadsheet, data presentation, information evaluation, presentation skills

Situering

This course starts in the beginning of the 1st year and continues until the end of the first semester.

This course provides basic knowledge on using computers and several software packages (bibliographic tools, Word, Excel, PowerPoint, ...) allowing the student to search for input, format, present and critically evaluate data.

The main objective is acquiring the ability to do independent and critical data management with appropriate scientific methods, to present data for a scientific audience and to evaluate published scientific papers.

Inhoud

Learning the basic operations of a computer, essential functions and troubleshooting.

The use of internet and intranet

Introduction to a wide range of bibliographic tools, and more extended focus on most important bibliographic tools

Critical analysis of scientific literature

Operation of word-processing, spreadsheet and presenting software

Presentation of results: technical aspects (software) and attitude

Begincompetenties

Preliminary knowledge of computers and office-related software is helpful but not required.

Eindcompetenties

- 1 Master basic aspects of computer and internet use.
- 2 Efficiently retrieve appropriate scientific literature.
- 3 Evaluate scientific work on its relevance, accuracy and importance.
- 4 Gather and process scientific data.
- 5 Present results effectively and concisely.

Creditcontractvoorwaarde

Toelating tot dit opleidingsonderdeel via creditcontract is mogelijk na gunstige beoordeling van de competenties

Examencontractvoorwaarde

Dit opleidingsonderdeel kan niet via examencontract gevolgd worden

Didactische werkvormen

Werkcollege, Hoorcollege, Zelfstandig werk

Toelichtingen bij de didactische werkvormen

Short theoretical introductions with on-screen demonstrations, immediately followed by hands-on implementations and exercises. Students should bring their laptops.

Studiemateriaal

Type: Slides

Naam: Datamining, processing and communication

Richtprijs: Gratis of betaald door opleiding

Optioneel: nee

Taal : Engels

Beschikbaar op Ufora : Ja

Online beschikbaar : Nee

Beschikbaar in de bibliotheek : Nee

Beschikbaar via studentenvereniging : Nee

Referenties

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Vakinhoudelijke studiebegeleiding

Group and individual assistance during the exercises and interactive support via Ufora.

Evaluatiemomenten

periodegebonden en niet-periodegebonden evaluatie

Evaluatievormen bij periodegebonden evaluatie in de eerste examenperiode

Vaardigheidstest, Schriftelijke evaluatie met open vragen

Evaluatievormen bij periodegebonden evaluatie in de tweede examenperiode

Vaardigheidstest, Schriftelijke evaluatie met open vragen

Evaluatievormen bij niet-periodegebonden evaluatie

Mondelinge evaluatie, Participatie, Werkstuk

Tweede examenkans in geval van niet-periodegebonden evaluatie

Examen in de tweede examenperiode is mogelijk

Toelichtingen bij de evaluatievormen

Written exam with open questions (minor part) and exercises that require the use of the computer (major part).

Eindscoreberekening

Non-period bound evaluation (40%) and period bound evaluation (60%).

Non-period bound evaluation includes preparing a manuscript (including introduction with literature review, material and methods, results, discussion and reference list), a poster and an oral presentation of the same data.

Periodic bound evaluation comprises limited theoretical questions and selected exercises. The final result is based on a combination of theoretical knowledge, results of the exercises, but mostly on the ability to show insight in the subject.

The score for the non-period bound evaluation remains valid for the second chance exam. Only the mark for the period bound evaluation can change.