

Management of Information Systems in Healthcare (D013388)

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

Studiepunten 5.0

Studietijd 125 u

Aanbodsessies en werkvormen in academiejaar 2024-2025

A (semester 1)

Engels

Gent

zelfstandig werk
hoorcollege

Lesgevers in academiejaar 2024-2025

Coorevits, Pascal

GE39

Verantwoordelijk lesgever

Kalra, Dipak

GE39

Medelesgever

Staelens, Frank

GE39

Medelesgever

Aangeboden in onderstaande opleidingen in 2024-2025

Master of Science in de verpleegkunde en de vroedkunde (afstudeerrichting
implementatiedeskundige in zorg)

stptn

aanbodsessie

5

A

Onderwijstalen

Engels

Trefwoorden

Data, information, information systems

Situering

The aim of the course is to give insights into the possibilities and restrictions of governing information and knowledge in a company or organisation by means of information systems. The courses are focussed towards healthcare.

Inhoud

- Introduction eHealth and mHealth
- Digital innovations in healthcare
- Introduction to (relational) databases
- Data quality and quality of electronic medical record systems
- Business Intelligence
- Data protection and GDPR
- Information security
- Challenges and opportunities of the primary and secondary (re-)use of health data

Begincompetenties

- Basic digital literacy
- Basic knowledge of English

Eindcompetenties

- 1 To have insights into the possibilities and restrictions of governing information and knowledge in healthcare companies or healthcare organisations by means of information systems
- 2 To know eHealth and mHealth aspects regarding innovations in healthcare
- 3 To know important aspects of data quality and quality of electronic medical record systems
- 4 To know the foundations of (relational) databases
- 5 To know important aspects of the General Data Protection Regulation (GDPR) and data protection in healthcare
- 6 To know the introductory principles of information security
- 7 To have insights into the challenges and opportunities of the primary and

secondary (re-)use of health data

8 To know what business intelligence encompasses and to reflect upon practical use-cases in healthcare

Creditcontractvoorwaarde

De toegang tot dit opleidingsonderdeel via creditcontract is open: de student houdt zelf rekening met voorkennis uitgedrukt in begincompetenties

Examencontractvoorwaarde

Dit opleidingsonderdeel kan niet via examencontract gevolgd worden

Didactische werkvormen

Hoorcollege, Zelfstandig werk

Studiemateriaal

Geen

Referenties

Vakinhoudelijke studiebegeleiding

Via the electronic learning platform Ufora

Evaluatiemomenten

periodegebonden en niet-periodegebonden evaluatie

Evaluatievormen bij periodegebonden evaluatie in de eerste examenperiode

Schriftelijke evaluatie

Evaluatievormen bij periodegebonden evaluatie in de tweede examenperiode

Evaluatievormen bij niet-periodegebonden evaluatie

Werkstuk

Tweede examenkans in geval van niet-periodegebonden evaluatie

Niet van toepassing

Eindscoreberekening

This course contains two parts:

- Management of information systems in healthcare (75%)
- Reflection paper (25%)

If a student passes for both parts (10 or more on 20), the end result is the weighted average of both parts. If a student has two or more shortage* points he/she cannot pass for this course. If the weighted average would be 10 or more on 20, the score will be lowered to 9 on 20.

If a student on purpose withdraws from one of the two parts, he/she cannot pass for the course. In case the score would be 8 or more on 20, the score will be lowered to 7 on 20.

*Shortage points are the number of points below 10 on 20, for each part of the course