KU LEUVEN

Healthcare Logistics Education and Learning Pathway – PhD module



Welcome



Leuven team in

Group Biomedical sciences
Faculty of Medicine
Institute for Healthcare Policy (LIHP)

Group Science, Engineering and Technology Faculty of Engineering Science Department of Mechanical Engineering





Professor Walter Sermeus



Professor Liliane Pintelon

Teaching staff PhD module

Walter Sermeus – KU Leuven, Faculty of Medicine, LIGB Liliane Pintelon – KU Leuven, Faculty of Engineering Science, CIB

Dirk Cattrysse - KU Leuven, Faculty of Engineering Science, CIB

Arie Adriaensen – KU Leuven, Faculty of Engineering Science, CIB

Peter Chemweno – University of Twente, Dept of Design, Production and Management

Reginald Dewil - KU Leuven, Faculty of Engineering Technology, CIB

Ignace Martens - KU Leuven, Faculty of Engineering Technology, CIB

Paul Timmermans – UZ Leuven Karen Moons – UZ Leuven (https://www.uzleuven.be/en)













Teaching staff



Support

PhD module H

Four* day training course (+ pre- and post-assignment)

Blended, on-line learning

on-line lecture recordings

reading material

virtual team case discussions

on-line, live, interactive discussions

Healthcare logistics innovative problem solving



07/11/2020

^{*}Initially a day with a visit to the University Hospital Leuven and a Lean Healthcare Management Game was planned, unfortunately due to COVID-19 it became impossible to include those activities in the PhD module

Topic choices to make ...

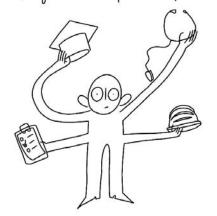
logistic problems



tools & techniques

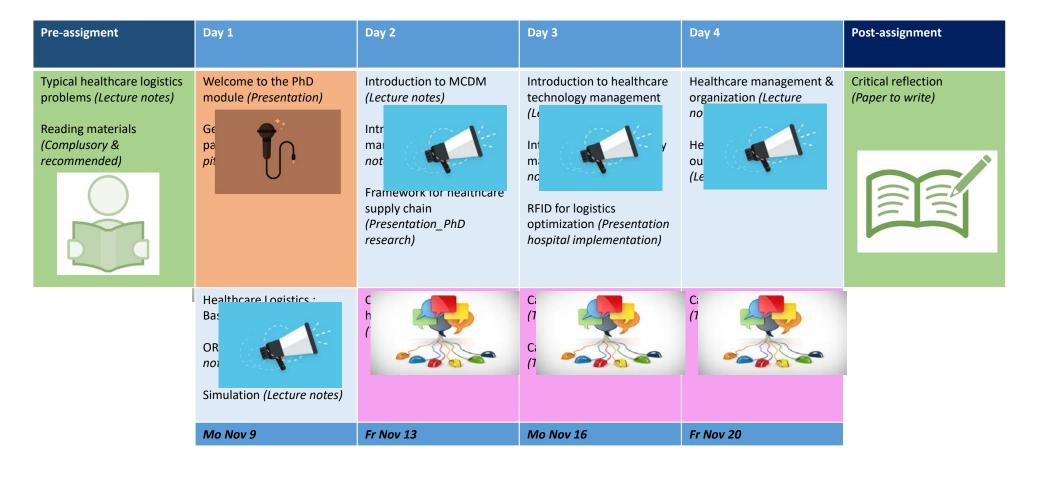


background participants



Topic choices made

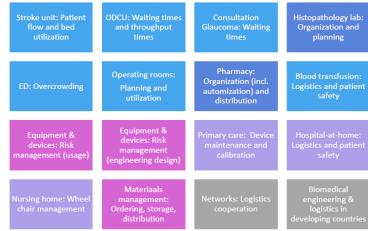
Pre-assigment	Day 1	Day 2	Day 3	Day 4	Post-assignment
Typical healthcare logistics problems (Notes) Reading materials (Complusory & recommended)	Welcome to the PhD module (Presentation) Getting to know the participants (Elevator pitch)	Introduction to MCDM (Lecture) Introduction to inventory management (Lecture) Framework for healthcare supply chain (Case - PhD research)	Introduction to healthcare technology management (Lecture) Introduction to risk/safety management (Lecture) RFID for logistics optimization (Case – UZ Leuven)	Healthcare management & organization (Lecture) Health Logistics: future outlook (Notes)	Critical reflection (Paper to write)
	Logistics : Basics (Lecture) OR techniques (Lecture) Simulation (Lecture) Mo Nov 9	Case study: Satellite hospital (Team work) Fr Nov 13	Case study: H@H (Team work) Case study: Outsourcing (Team work) Mo Nov 16	Case study: Lean pathways (Team work) Fr Nov 20	





First introduction to healthcare logistics ...

typical problems



reading material

for all + depending on background

Welcome to the PhD module (Presentation)

Getting to know the participants (Elevator pitch)



Logistics : Basics (Lecture)

OR techniques (Lecture)

Simulation (Lecture)



Mo Nov 9

9:00-10:00: On-live session

https://eu.bbcollab.com/guest/6121db636dc64a91b705ce26fc4dc415

At your own pace: three lectures

Introduction to MCDM (Lecture)

Introduction to inventory management (Lecture)

Framework for healthcare supply chain (Case - PhD research)



Case study: Satellite

hospital (Team work)



Fr Nov 13

At your own pace: two lectures + case presentation (PhD)

Group discussion (live): Satellite hospital

https://eu.bbcollab.com/guest/cd9e26f794dd405ca2ccf4d677f09958

14:00: Case study explained

14:00-16:00: Group discussion participants

16:00: Plenary discussion

Introduction to healthcare technology management (Lecture)

Introduction to risk/safety management (Lecture)

RFID for logistics optimization (Case – UZ Leuven)



Case study: H@H (Team work)

Case study: Outsourcing

(Team work)



Mo Nov 16

At your own pace: two lectures + case presentation (UZ Leuven)

Group discussion (live): (1) H@H - (2) Outsourcing

https://eu.bbcollab.com/guest/7366717b8d454f8195146de2eef903ad

14:00: Case studies explained

14:00-15:00: Group discussion participants on case 1

15:00: Plenary discussion case 1

15:30-16:30: Group discussion participants on case 2

16:30-17:00: Plenary discussion case 2

Healthcare management & organization (*Lecture*)

Health Logistics: future outlook (Notes)



Case study: Lean pathways (Team work)



Fr Nov 20

At your own pace: lecture + case preparation (papers to read)

Extra information for the post-assignment: notes

14:00-16:00: Discussion on the papers

https://eu.bbcollab.com/guest/4490dd74aafa458e9d31a6db27ece2a1

Post-assignment

Critical reflection (Paper to write)



Short paper (max 8 pages or 4000 words)

Critical reflection

Linked to own research (course topics ↔ research topic)

Linked to work environment (course topics ↔ work environment)

Focus on role of logistics in hospitals of future (consulting extra literature).

This paper is due two weeks after the last day of the module (Dec 7). Feedback will be provided

Practical arrangements

Course material can be found on website: https://lpintelon.github.io/HELP/



Live sessions platform Blackboard Collaborate (link for every session)



THINGS TO KEEP IN MIND

- > Blackboard recommends using Collaborate with Chrome or Firefox. Other <u>browsers</u> might cause some functionalities to work differently, or not work at all.
- > If Collaborate does not start it may well be that your browser doesn't allow third-party cookies. Please Allow [*.]bbcollab.com (Chrome) or https://bbcollab.com (Firefox).

Any questions:

liliane.pintelon@kuleuven.be - nicole.berx@kuleuven.be



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