

# Industrial Drug Discovery processes and organizations, 2 ECTS

## Learning outcomes

The student will understand the complexity of the processes and functionalities that are needed for a successful industrial drug discovery endeavor at the concept level. She/he will learn a few central Lean concepts and how they work in benefit for processes. Furthermore, the student will understand some of the organizational impacts on these processes.

## Content

The main processes and workflows which are involved in pre-clinical industrial drug discovery and how they all float into each other to reach the common goal. Hierarchical and other organizations and their pros and cons in this environment are included. In addition, to some concepts and considerations from Lean are introduced.

## Study methods

1. Approved assignments
2. Active and approved participation in the face to face seminars (mandatory attendance)
3. Approved grade in the knowledge quiz

## Implementation methods

1. Lectures and quiz face to face (6 hours)
2. Exercises and illustrations face to face (6 hours)
3. Discussions face to face (2 hours)
4. Studies on own and assignments (approximately 40 hours)

## Evaluation scale

Pass/fail

## Evaluation criteria

Passes/failed in attendance, participation during exercises and discussions

Approved quiz

## Learning material

Delivered during the course via Moodle site

## Further information

Suitable for PhD students and other University professionals with basic knowledge on the drug discovery process

For the games a minimum of 14 participants would be optimal (max. 28 participants)

## Course schedule

Tue 5.10. 2021	15.00-17.00	Pha3, PharmaCity	Course kick off: Drug discovery over-all processes, and organization forms Pre-assignments
Wed 13.10.2021	10.00-16.00	Pha3, PharmaCity	Seminar 1: Review of the pre-assignments Lean R&D game
			Between seminars assignments
Wed 20.10.2021	10.00-16.00	Pha3, PharmaCity	Seminar 2: Introduction to Lean concepts and reflections from the game experience Communication game and reflections on the result Wrap-up

### Course leaders:

Mervi Vasänge, Docent, TUAS project manager

Ullamari Pesonen, Professor, UTU

Registration open until 27.9.2021 <https://link.webropol-surveys.com/S/B115208856BA410F>