

# Clean Room Teaching at UEF School of Pharmacy

Improvement of teaching based on student feedback

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# UEF School of Pharmacy

- Located at Kuopio campus
- Clean room teaching in co-operation with Savo Vocational College



# Purpose and aim

- In EU, the medicines must be manufactured in clean rooms according to the GMP guidelines
- Requirement for competent personnel
- Aim of the present study:  
improvement of the clean room teaching at the School of Pharmacy
  - co-operation with Savo Vocational College, Kuopio
  - <http://puhdastila.fi/?q=content/english>



Photo from Savo Vocational College's Clean room, Kuopio



# Purpose and aim

- Aim of the present study:  
improvement of the clean room  
teaching at the School of Pharmacy
  - Novel clean room exercise  
(2.5 h contact teaching)
  - Cleanroom<sup>®</sup> Pass training course  
(2.0 ECTS, web-based and contact  
teaching)
  - co-operation with Savo Vocational  
College, Kuopio

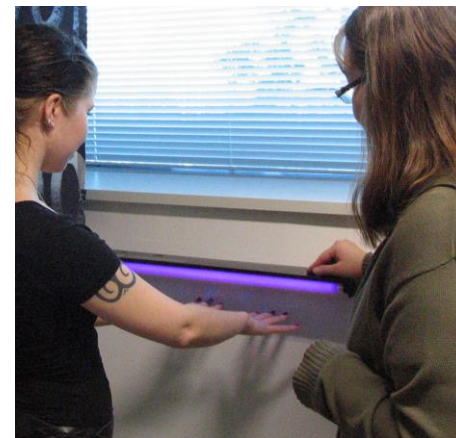


Photo from Savo Vocational College's Clean room, Kuopio



# Proficiency tests in competence evaluation

- Aseptic hand washing test
- Gowning validation in GMP environment



Photos from Savo Vocational College's Clean room, Kuopio

# Student feedback / Cleanroom Pass<sup>®</sup> training course

- The usefulness of the course for the working life

	Cannot tell	Useless	Mainly useless	Useful	Very useful
In the end of the course (n=10, 100%)	0	0	0	4	6
After two years (n=9, 90 %)	0	0	1	5	3

Has not been working in clean rooms after the course

Working experience at and/or responsibility of clean rooms

# Conclusions

- Based on the student feedback, novel clean room exercises and Cleanroom Pass<sup>®</sup> training course were included in the curriculum
- The knowledge can be utilized especially at aseptic procedures of hospital pharmacies



Photo from Savo Vocational College's Clean room, Kuopio

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Photo from Savo Vocational College's Clean room, Kuopio



*Thank you!*



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