NTNU Link

- A decentralized longitudinal integrated clerkship

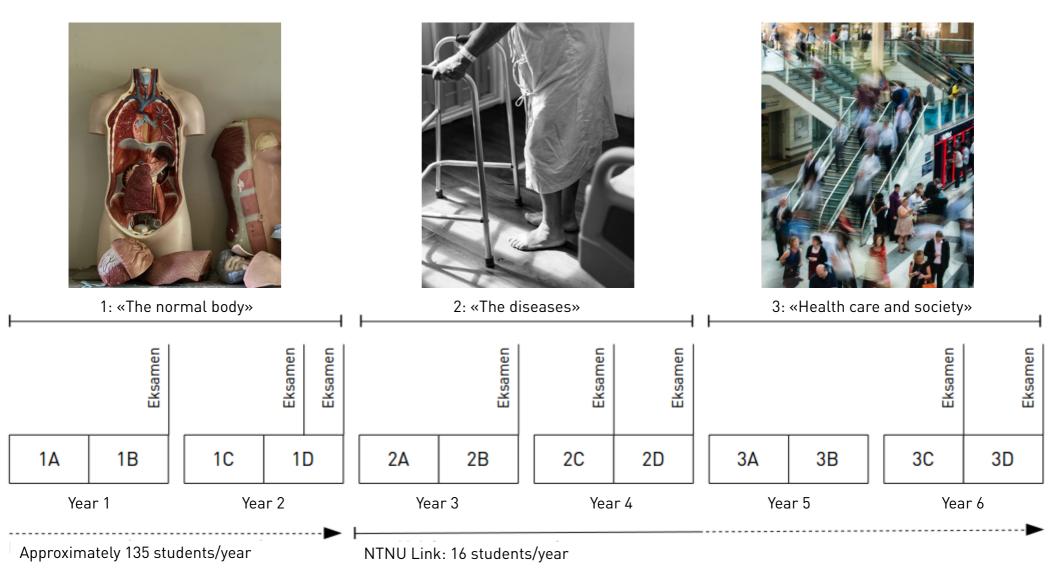




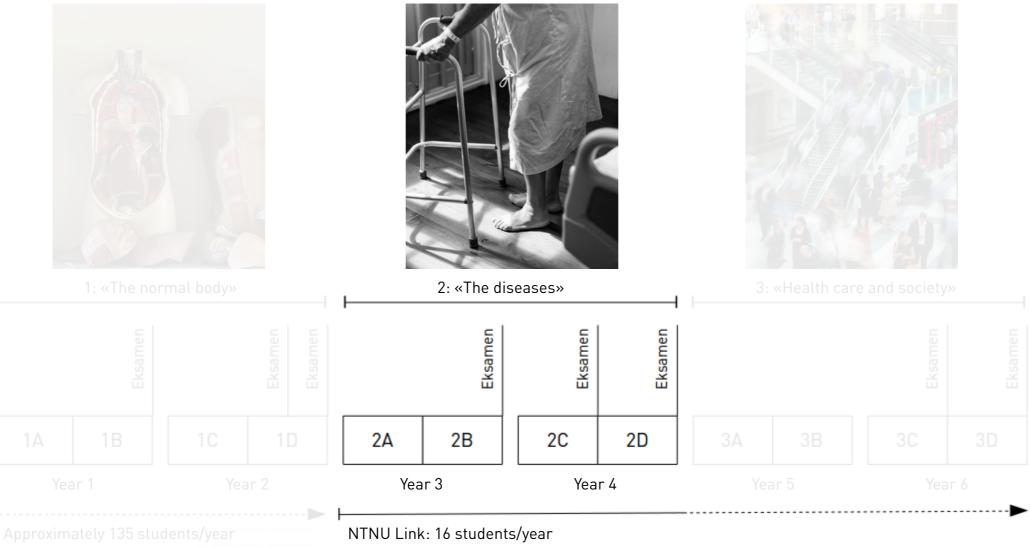
Staup helsehus

ECTS, May 6, 2021

Studying Medicine at NTNU:



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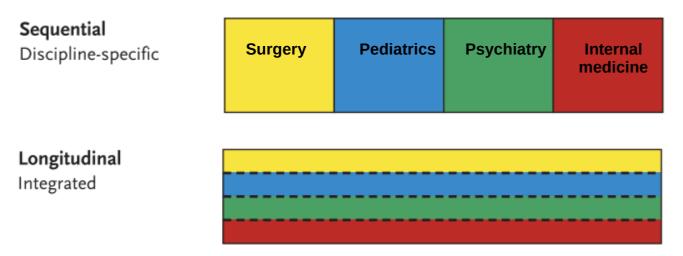




- decentralized: combined local hospitals and community health care services
- continuity: care, curriculum and supervison
- student active learning: team-based learning, problem-based learning, simulation

Longitudinal Integrated Clerkship (LIC)

= Langsgående INtegrert Klinisk tjeneste (LINK)

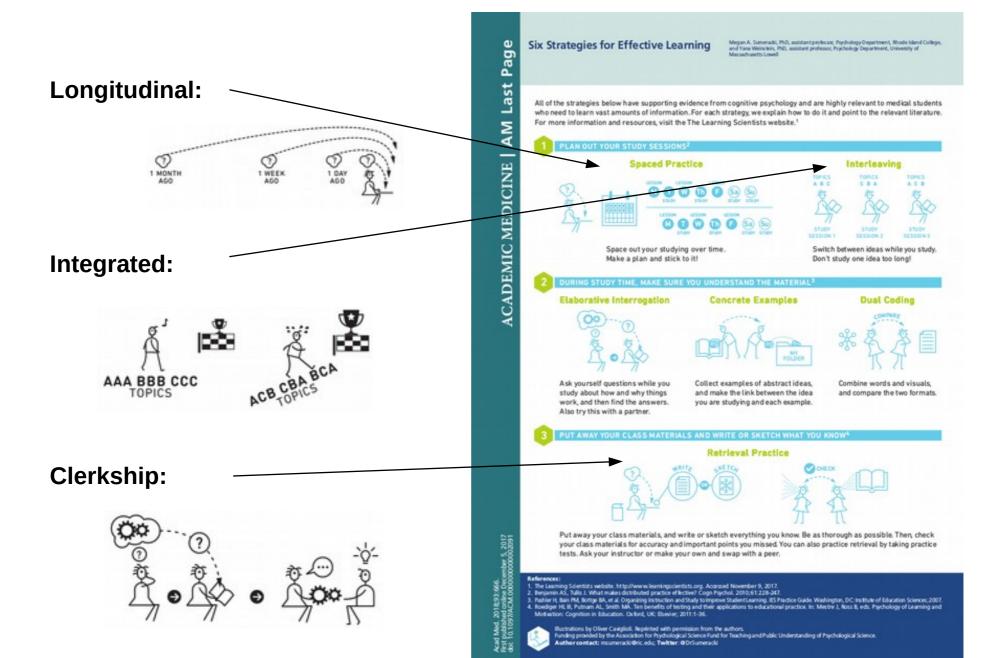


Adapted from NEJM: Hirsh, D.A., Ogur, B., George E. Thibault, G.E., Cox, M. (2010). "Continuity" as an Organizing Principle for Clinical Education Reform.

Common core elements of LICs:

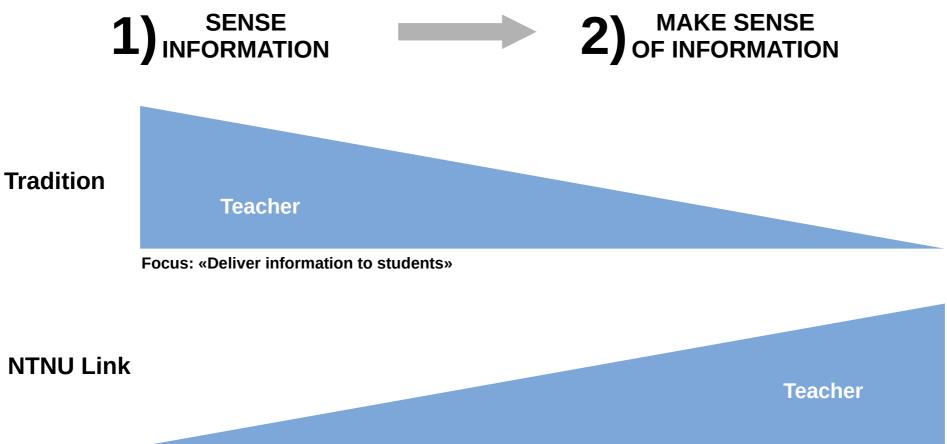
- students participate in the comprehensive care of patients over time
- students have continuing learning relationships with these patient's clinicians
- students meet, through these experiences, the majority of the year's core clinical competencies across multiple disciplines simultaneously.

Longitudinal Integrated Clerkship (LIC)



The teacher's role





Focus: «Assessing what information/knowledge students have acquired»

































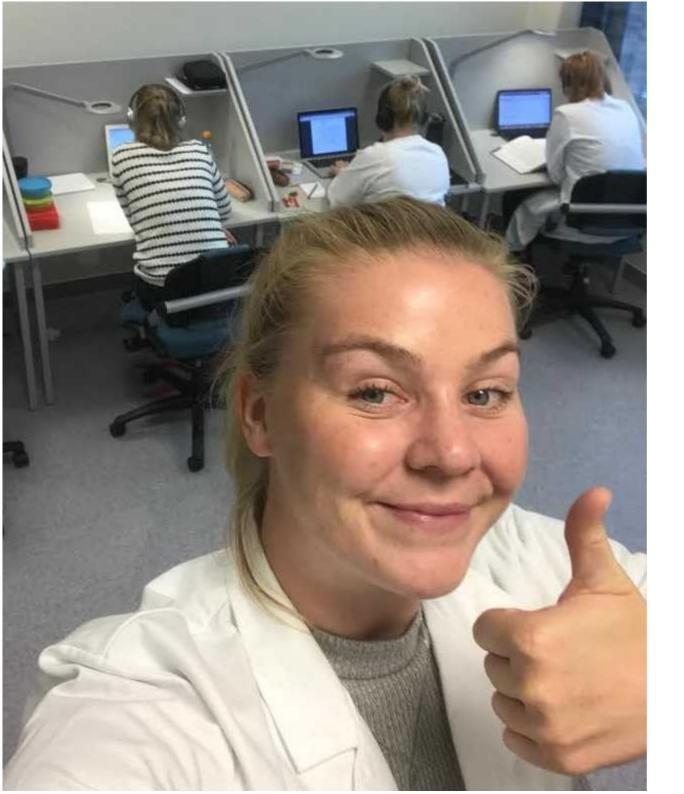
















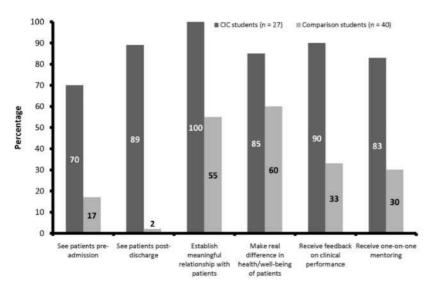


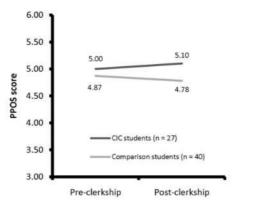
Longitudinal integrated clerkship (LIC)

Langsgående integrert klinisk tjeneste (LINK)

Hirsh et al (2012). Educational outcomes of the Harvard Medical School-Cambridge integrated clerkship: a way forward for medical education. Academic Medicine, 87(5), 643-650.

Students' descriptions of clerkship	27 CIC students	40 comparison students	P value
Satisfying	5.41	4.67	<.005
Confidence building	4.96	3.87	<.005
Rewarding	5.78	4.77	<.001
Humanizing	5.44	3.88	<.001
Transformational	5.44	4.62	<.01
Boring	1.44	1.90	<.05
Marginalizing	1.89	3.43	<.001
Hectic	5.37	4.65	<.005
Stressful	5.26	4.62	<.005
Frustrating	3.63	3.75	.709





Assessment measure	27 CIC students	45 comparison students	
National Board of Medical Examiners subject exams*			
Obstetrics-gynecology	73.70	71,73	.377
Pediatrics	80.62	74.79	<.01
Surgery	76.85	73.33	.099
Psychiatry	80.22	71.86	<.05
Harvard Medical School Comprehensive Objective Structured Clinical Exam [†]	68.13	64.34	<.05
National Board of Medical Examiners Step II Clinical Knowledge Exam*	240.63	234.14	.232

«Competent physicians with a lifelong commitment to pursuing excellence»





- High level of student involvement and activity (effective learning)
- Integration of theory and practice (conseptual understanding of clinical competence)
- Meaningful relations to patients (professional development)
- Longitudinal relations to teachers (continuous support and challenge)



More about NTNU Link:

Blog | https://www.ntnu.no/blogger/link/

Instagram | https://www.instagram.com/ntnu_link/