

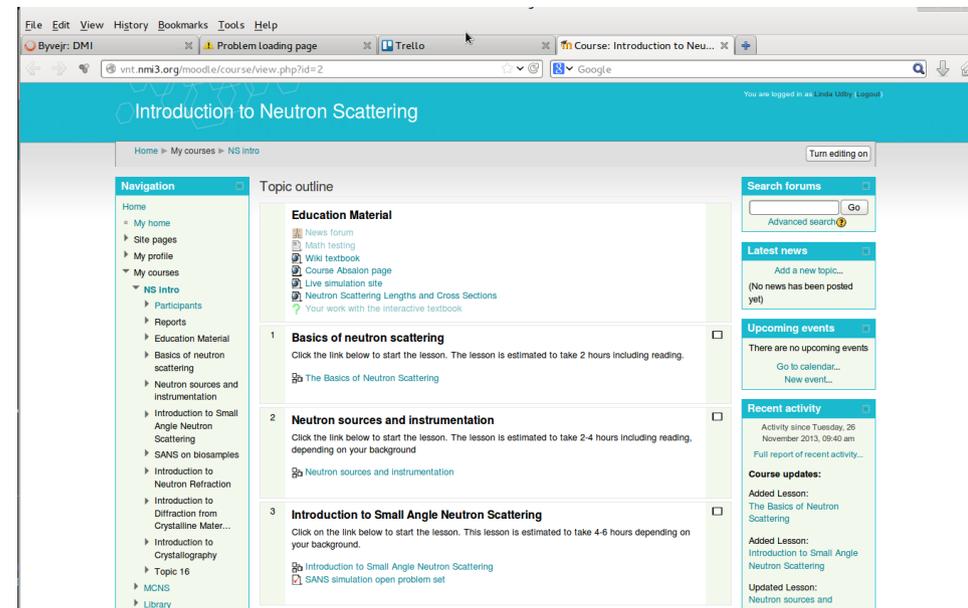
WP3 (e-learning): Progress & Highlights

Prototype e-learning platform established

- Moodle LMS (organisation and description of courses, study plan, lectures, quizzes etc)
- Live simulator web interface established
- WIKIbook (textbook+interactive exercises)

Outline and contents of intro NS course in production

- Clear learning goals for each topic
- Didactical material aimed for master-phd level physics students
- Looking into targeting material on topic level to other students
- Blended learning testing at UCPH 2014/2015
- Pure online testing 2015/2016



The screenshot shows a web browser displaying a Moodle course page titled "Introduction to Neutron Scattering". The page layout includes a navigation menu on the left, a main content area with a "Topic outline" section, and several sidebars on the right. The "Topic outline" section lists three topics: "Basics of neutron scattering", "Neutron sources and instrumentation", and "Introduction to Small Angle Neutron Scattering". Each topic has a brief description and a link to the corresponding lesson. The right sidebar contains sections for "Search forums", "Latest news", "Upcoming events", and "Recent activity".

<http://vnt.nmi3.org/moodle/course/view.php?id=2>

WP3 (e-learning): Staff recruitment & collaboration

• KU:

- Linda Udby (WP1 project manager),
- Pia Jensen (WIKI content manager),
- **Monika Kovacic (Illustrations),**
- Jesper Bruun (Didactics researcher)
- Kim Lefmann (main WIKI contributions),
- **Ursula Bengård Hansen (french-english tech translation)**
- Lise Arleth, Kell Mortensen, Jacob Kirkensgaard (quiz+WIKI contributions)



• DTU:

- Peter Willendrup, live-simulation tool developer.
- **NN (webinterface + plugin programming, hiring in connection with WP1).**
- Bente Lebech (WIKI + quiz contribution)



• ILL:

- Helmut Schober (ILL coord + WIKI contribution),
- **Andrew Wildes (WIKI content manager),**
- **Alain Filhol (illustration supervision, in progress)**



• FRM2/TUM:

- Jürgen Haus (TUM coord + Library)
- ... ulz (server maintenance)
- **Anatoliy Senyshyn (quiz contribution)**



ESS: Markus Strobl (quiz contribution)

- **TU Delft:** Wim Bouwmann (quiz contribution)



Open invitation for collaboration and contributions on lectures & quizzes :)

WP3 (e-learning): Deliverables and delays

Delivered

D 3.1: Specification about technical functionalities needed for the e-learning platform and evtl optional functions for future development:

Moodle LMS open source and offers both easy course/lesson structuring, various roles of users, interactive quizzes/test with e.g. feedback and grading.

D 3.4 : Content analysis of neutron course:

- Introductory neutron course ~12-20 topical lessons
- Focus on interactive exercises and virtual experiments in order to improve the student learning and prepare them for real experiments
- Progression of neutron knowledge will be considered in course outline.
- Textbook end interactive material in WIKIbook
- High-guidance quizzes with feedback.

D 3.7: Def. Instruments to be simulated: Prototype of live-simulator

- Web interface with backend running McStas on a cluster.
- Static links to share simulation results.
- 3D VRML simple visualisation of instrument.
- Data on detector downloadable as pictures or ascii for data analysis

Delayed

D 3.2: Advancement report on functionalities development in the e-learning software.