THE E-LEARNING SYSTEM OF VIENNA UNIVERSITY OF TECHNOLOGY – ADAPTATIONS, ENHANCEMENTS AND EXTENSIONS OF MOODLE TO MEET TEACHING AND LEARNING NEEDS OF THE FUTURE
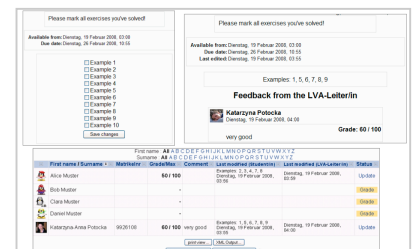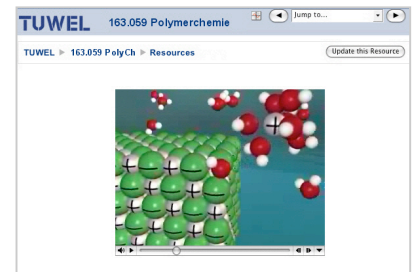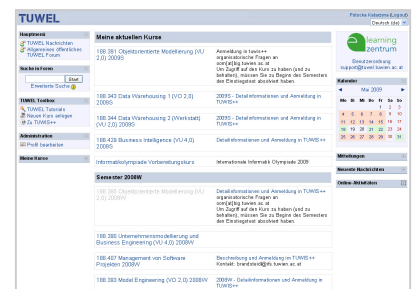
TUWEL …

… is the Learning Management System of Vienna University of Technology, which facilitates Moodle as its core. The system is being used since 2005 – starting with 1.000 users and growing to 24.000 by May 2009 – to support learning and teaching at the university. It has been under active development since 2005.

Features and enhancements …

… we implemented according to the requirements of the university's teachers, students and organisational staff:

- **Interface between TUWEL and TUWIS++** (the Information System of Vienna University of Technology) providing a digital workflow from course creation and participant management to grading and certification.

- **Updating user specific data** during login.

- **Automatic synchronisation between the course start date and the visibility** of courses, performed by a daily cron script, so that course creators don't have to bother updating the start date at the beginning of the term.

- The new **course sorting overview** will give the administrator the possibility to choose a different front page layout for students, course creators, teachers etc. The courses will be sorted according to the start date adjusted within the course settings.

- **Extension of the assignment module** includes the file name convention creator, file type checker, a print view of all submissions and a zip & download possibility of all submitted assignments.

- The **scheduler module enhanced with additional features** contains an improved time-slot enrolment visualisation, enrolment and un-enrolment deadline setting options and a print view possibility of all time-slots with corresponding data.

- The **checkmark assignment** - a new assignment type to facilitate a very popular exercise mode at the Vienna University of Technology: Students have to solve up to ten (calculation-)exercises per week. They submit information on which exercises they were able to solve and are randomly asked to present these at the next face-to-face session, receiving or losing credits.

- Implementation of the possibility to **upload a grading file within the online assignment**. Its content is integrated directly into the grading of the specified assignment. This enhancement is mostly used for non-online activities like laboratory work or practical / outdoor exercises.

- For a faster and easier creation of a course, **the element replication** makes it possible to copy already created elements. You just have to choose the elements (e.g. forum, chat, assignment) you want to replicate and decide how often they should reappear within your course.

For further information …

… some enhancements are available for download at
http://tracker.moodle.org/secure/IssueNavigator.jspa?reset=true&query=hruska+potocka&description=true&body=true.

… you can find us at the E-Learning Centre of Vienna University of Technology: http://elearning.tuwien.ac.at

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