## The preparatory courses for the State Examinations of Mathematics in the ORTUS website environment

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During the period when in Latvia there is a discussion on the higher educational establishment's quality and its development Riga Technical university (RTU) commencing with 2007/2008 academical year has transitioned to RTU united e-learning system using RTU website ORTUS which is based on e-learning program MOODLE (Modular Object-Oriented Dynamic Learning Environment).

The main task of ORTUS (<u>www.ortus.lv</u>), web site is to provide support for the scientific and administrative processes by facilitating effective communication. The establishment of ORTUS web site is advantageous to the students, the administration as well as improves the inner communication of the university by providing the administration with the necessary feedback from the students. At the moment there are integrated several subsystems which provide with united access to RTU e-services, giving advantages to the students, the lecturers and the administration by improving the university's inner communication, as well as providing with the opportunity for the administration to receive feedback from the students.

RTU has also created an especially adapted ORTUS website for the secondary level students where they could get acquainted with virtual environment of the higher education and find out all the important information. The website will not be static. It is constantly going to be improved reacting to the needs and wants of the secondary level students: it will be updated with materials, tests, topical information and with time there will also be lecturer's feedback on studies at RTU. It is also planned to organize mini-competitions with prizes (even a computer). The number of students for the preparatory courses for the State examination in Mathematics – 8969 (17.02.2010)

In order to find out the student's opinion on the studies there has been created a special student's questionnaire system, where the students evaluate each subject and the lecturers' work in the auditorium. This information lets us objectively assess the study methods, study materials, the work of lecturers and implements the necessary alterations. The main task of ORTUS web site is to provide support for the scientific and administrative processes by facilitating effective communication.

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