

Monday Seminar in mathematics education

**Monday, 8 February, 2010, University of Agder, Campus Gimlemoen, Kristiansand,
14.15-16.00, J2-009**

Iveta Kohanova, lecture:

“Developing teachers’ pedagogical content knowledge”

Many researches show there exists interconnection between content knowledge and competencies of science teachers and cognitive level of their pupils. Therefore it is important to develop Pedagogical Content Knowledge (PCK, Shulman 1986) already within the preparation of future science teachers. We will focus on acquisition of PCK that was implemented within small research in the frame of international project Move in Science (www.mis.unipa.it).

Maria Slavickova, lecture:

“ICT in preparation of teachers’ and students’ understanding – with focus on calculus”

Usage of modern technologies on mathematics lessons is very popular topic for discussion. These discussions are mainly concerning primary or secondary educational level. But if we want to prepare future mathematics teachers for using ICT on their lessons, they should have experiences with ICT during their teacher training. We will speak about implementation of ICT into mathematical analysis (calculus) lesson within the 1st and 2nd year of bachelor study and research how this change helps student to gain better understanding.