





















*Educational Studies in Mathematics*, 61, no. 3, (2006), pp. 293-319.

[10] K. Koellner, and “others” “The problem-solving cycle: A model to support the development of teachers' professional knowledge”. *Mathematical Thinking and Learning*, 9, no. 3, (2007), pp. 273-303.

[11] G. Gadanidis, and I. Namukasa, “Mathematics-for-teachers (and students)”. *Journal of Teaching and Learning*, 5, no.1, (2007), pp. 13-22.

[12] T. Guskey, “Professional development and teacher change”. *Teachers and Teaching: theory and practice*, 8, no ¾, (2002),pp. 381-391.

[13] G. Akerlind, “A new dimension to understanding university teaching”. *Teaching in Higher Education*, 9, no. 3, (2004), pp. 363-375.

[14] G. Akerlind, “A phenomenographic approach to developing academics' understanding of the nature of teaching and learning”. *Teaching in Higher Education*, 13, no. 6, (2008b), pp. 633-644.

[15] K. Wood, “The experience of learning to teach: changing student teachers' ways of understanding teaching”. *Journal of Curriculum Studies*, 32, no. 1, (2000), pp. 75-93.

[16] F. Marton, and M. Pang, “On some necessary conditions of learning”. *The Journal of Learning Sciences*, 15, no. 2, (2006), pp. 193-220.

[17] Marton, F. and Tsui, A. Classroom discourse and the space of learning. Mahwah, NJ: Lawrence Erlbaum Associates, (2004).

[18] F. Marton, “Phenomenography - Describing conceptions of the world around us”. *Instructional Science*, 10, no. 2, (1981),pp. 177-200.

[19] J. Larsson, and I. Holmstrom, “Phenomenographic or phenomenological analysis: does it matter? Examples from a study on anesthesiologists' work”. *International Journal of Qualitative Studies on Health and Well-being*, 2, no. 1, (2007), pp. 55-64.

[20] L. Svensson, “Theoretical foundations of phenomenography”. *Higher Education Research & Development*, 16, no. 2, (1997), pp. 159-171.