

## **Reading list for Mathematics Education 1, 91MAD1, 2016**

Course literature is preliminary

Bergsten, C. m fl (1997). Algebra för alla. Nämnaren Tema.

Göteborg: NCM

Brandell, G., & Pettersson, A. (Red.). (2011)

Matematikundervisning. Vetenskapliga perspektiv. Stockholm:

Stockholms universitets förlag

Gustafsson, L. & Mouwitz, L. (2002). Vuxna och matematik - ett livsviktigt ämne. Göteborg: NCM.

Jablonka, E. (2009). Mathematics for all: why? what? when? In C.

Winsløw (Ed.), Nordic research in mathematics education.

Proceedings from NORMA08 in Copenhagen, April 21 - April 25, 2008. (pp. 293-306). Rotterdam: Sense Publishers.

James, M. C., & Willoughby, S. (2011). Listening to student conversations during clicker questions: What you have not heard might surprise you! *American Journal of Physics*, 79(1), 123.

Niss, M. (1994). Mathematics in society. In R. Biehler et al. (Eds.), *Didactics of mathematics as a scientific discipline* (pp. 367-378).

Dordrecht: Kluwer.

Skolverkets kursplaner och betygskriterier i matematik.

Smith, M. K., Wood, W. B., Adams, W. K., Wieman, C., Knight, J.

K., Guild, N., & Su, T. T. (2009). Why peer discussion improves student performance on in-class concept questions. *Science*, 323(5910), 122–4.

Wieman, C. et al. (2009). *Clicker Resource Guide: An Instructor's Guide to the Effective Use of Personal Response Systems (Clickers) in Teaching*.