

## Reading list for Mathematics (61-75 Credits), 9AMA59, 2019

Course literature is preliminary

- Blum, W., Galbraith, P., Henn, H., & Niss, M. (Eds.) (2007). Modelling and applications in mathematics education. The 14th ICMI study. New York: Springer.
- Frejd, P. (2014). Mathematical modelling in upper secondary school in Sweden : An exploratory investigation. Doctoral thesis. Linköping: Linköping University. (sid. 1-34)
- Jablonka, E. (2010). Reflections on mathematical modelling. In H. Alrø, O. Ravn, & P. Valero (Eds.), *Critical mathematics education: Past, present and future* (pp. 89-100). Rotterdam: Sense Publishers.
- Lesh, R. A., & Doerr, H. M. (2003). Foundations of a models and modeling perspective on mathematics teaching, learning, and problem solving. In R. A. Lesh & H. M. Doerr (Eds.), *Beyond constructivism: Models and modeling perspectives on mathematics problem solving, learning, and teaching* (pp. 3–33). Mahwah, NJ: Lawrence Erlbaum Associates.
- Lesh, R. A., Cramer, K., Doerr, H. M., Post, T., & Zawojewski, J. S. (2003). Model development sequences. In R. A. Lesh & H. M. Doerr (Eds.), *Beyond constructivism: Models and modeling perspectives on mathematics problem solving, learning, and teaching* (pp. 35–58). Mahwah, NJ: Lawrence Erlbaum Associates
- Tung, K. (2007). *Topics in mathematical modeling*. Princeton university Press. (valda kapitel)
- Ärlebäck, J. B. (2010). Mathematical modelling in upper secondary mathematics education in Sweden: A curricula and design study. Doctoral thesis. Linköping: Linköping University. (sid. 1-75)