

Reading list for Applied Systems Modeling, 15 Credits (LSMB61)

The reading list was approved by the The Programme Committee for the Bachelor Programme in Logistics Service Management, 5 November 2018.

The reading list is valid from 1 January 2019.

- Borshchev, Andrei, & Filippov, Alexei. (2004). From System Dynamics and Discrete Event to Practical Agent Based Modeling: Reasons, Techniques, Tools. *The 22nd International Conference of the System Dynamics Society. July 25 - 29, 2004*. [23 pp. Download from Live@Lund]
- Karnon, Jonathan., Stahl, James, Brennan, Alan, Caro, Jaime, Mar, Javier & Möller, Jörgen. (2012). Modelling using discrete event simulation: A Report of the IPOR-SMDH Modeling Good research Practices Task Force-4. [24 pp. Download from Live@Lund]
- Kelton, W. David, Sadowski, Randall P., & Sadowski, Deborah A. (2014). *Simulation with Arena*. New York: McGraw-Hill Education. (731 pp. doi: 978-1-259-25436-9)
- Morecroft, John (2015). *Strategic modelling and business dynamics: A feedback systems approach*. Chichester: Wiley. (504 pp. doi: 978-1-118-84468-7)
- Robinson, Stewart, Arbez, Gilbert, Tolk, Andreas, & Wagner, Gerd, (2015). Conceptual modeling: Definition, purpose and benefits, i Yilmaz, L., Chan, W.K.V., Moon, I., Roeder, T.M.K., Macal, C. & Rossetti, M.D. (red.), *Winter Simulation Conference*. [15 pp.]
- Wang, Gabe T. & Park, Keumjae (2016). *Student Research and Report Writing: From Topic Selection to the Complete Paper*. Chichester: John Wiley. [288 pp. doi:10: 1118963911 or doi:13: 9781118963913 (Can be found as E-book, but not within LU)

Compendium with about 320 pages of cases, assignments and instructions will be added to the reading list.

Total amount of pages: Approx. 1460