



Faculty of Health, Science and Technology
Mathematics

Reading list

Didactical aspects of students' mathematics learning in programming

Valid from spring semester 2023

Course Code: 7MAT008
Course Title: Didactical aspects of students' mathematics learning in programming
Didaktiska aspekter på elevers matematiklärande inom programmering
Subject: Mathematics
Credits: 7,5 ECTS
Degree Level: Doctoral

Compendiums and articles

Alexander, P. A. (2020). Methodological Guidance Paper: The Art and Science of Quality Systematic Reviews *Review of Educational Research February 2020, Vol. 90, No. 1, pp. 6–23*

Gough, D., Thomas, J. & Oliver, S. (2019). Clarifying differences between reviews within evidence ecosystems. *Syst Rev* 8, 170.

Grant, M.J. and Booth, A. (2009). A typology of reviews: an analysis of 14 review types and associated methodologies. *Health Information & Libraries Journal*, 26, 91–108. <https://doi.org/10.1111/j.1471-1842.2009.00848.x>

Hammersley, M. (2002) Systematic or Unsystematic, is that the Question? Some reflections on the science, art, and politics of reviewing research evidence. Text of a talk given to the Public Health Evidence Steering Group of the Health Development Agency, October, 2002

Levinsson, M. (2017) Kan och bör systematiska översikter adressera frågor om vad som är utbildningsmässigt önskvärt? *Nordisk Tidskrift för Allmän Didaktik* 3(1), 86–92

Snyder, H. (2019). Literature review as a research methodology: An overview and guidelines. *Journal of Business Research*, 104, 333–339.
<https://doi.org/10.1016/j.jbusres.2019.07.039>

Digital resources

Karlstad University Library. Web site: <https://www.kau.se/bibliotek/forskarstod/>

School Research Institute. Web site:
<https://www.skolfi.se/forskningsammanstallningar/>

Approval

Approved by the Faculty of Health, Science and Technology, 31 May 2023.