

## Course literature for UB314F Early Childhood Education focusing on Mathematics and Technology, first cycle 12 credits

Valid from the autumn semester 2018:

### *Compulsory course literature*

Baroody, A J., Lai, M-L. & Mix, K S. (2006). "The development of young children's early number and operation sense and its implications for early childhood education", In Spodek B. & Sacharo O N. (eds.) *Handbook of Research on the Education of Young Children*, Mahwah, NJ, US: Lawrence Erlbaum Associates Publishers, 2nd ed., pp. 187-221. (34 p.)\*

Carruthers, E. & Worthington, M. (2006). *Children's Mathematics: Making Marks, Making Meaning*. London: Sage publications, 2nd ed. (280 p.)\*

Castagnetti, M. & Vecchi, V. (eds.) (1997). *Shoe and Meter. Children and Measurement: first approaches to the discovery, function and use of measurement*. Reggio Emilia: Reggio Children. (103 p.)

Clements, D H. & Sarama, J. (2009). *Learning and Teaching Early Math: The Learning Trajectories Approach*. New York and Abingdon: Routledge. (394 p.)

Cross, C T., Woods, T A. & Schweingruber, H. (eds.) (2009). *Mathematics Learning in Early Childhood: Paths Toward Excellence and Equity*. Washington: National Academies Press. (398 p.)\*

Franzén, K. (2015). Under threes' mathematical learning. *European Early Childhood Education Research Journal*, 23(1), pp. 43-54. (12 p.)\*

Franzén, K. (2015). Being a tour guide or travel companion on the children's knowledge journey. *Early Child Development and Care*, 185(11-12), pp. 1928-1943. (16 p.)\*

Palmer, A. (2010). 'Let's Dance!' Theorising Alternative Mathematical Practices in Early Childhood Teacher Education. *Contemporary Issues in Early Childhood*, 11(2), ss. 130-143. (13 p.)\*

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Palmer, Anna (2009). 'I'm not a "maths-person"!'. Reconstituting mathematical subjectivities in aesthetic teaching practices. *Gender and Education*, 21(4), ss. 387-404. (13 p.)\*

Additional course literature such as articles, reports etc. as assigned by the teacher (approximately 150 pages).

\* Available online