

Competency based curricula in mathematics

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This talk will begin by presenting the notion and rationale of mathematical competence and mathematical competencies as put forward in the Danish KOM project (KOM is an acronym that stands for "Competencies and the learning of mathematics). The main foci of the talk will be how competency based mathematics curricula can / should be formulated, how teaching / learning environments and arrangements can be established so as to foster and further students' development of mathematical competencies, and what appropriate modes and instruments of assessment of mathematical competencies may look like in different contexts and settings. Finally, issues and challenges to the implementation of competency based approaches to teaching and learning of mathematics will be discussed.