

The Knowledge Dimension of Revised Bloom's Taxonomy for Integration

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In this paper, the knowledge dimension of Revised Bloom's taxonomy (RBT) in the context of integration in stage 1 university calculus is presented. For this purpose, eleven subcategories of the knowledge dimension of RBT are introduced and through document analysis of chapter 4 of the handbook of RBT, subcategories are defined. Then, using materials frequently employed for teaching integration, the knowledge dimension of RBT in the context of integration is explored. The study findings may enable enhanced opportunities for dialogue between teachers, lecturers, and researchers about metacognitive knowledge in relation to teaching integration and to the development of tools for designing educational objectives, teaching activities, and assessments based on RBT.