

Problematic Topics in First-Year Mathematics: Lecturer and Student Views—A Review Paper

Mayuri Devidas Borkar

Dr. Rajendra Gode Institute of Technology & Research, Amravati, India
mayuriraut2719@gmail.com

Abstract: *In this paper we report on the outcomes of two surveys carried out in higher education institutions of Ireland; one of students attending first-year undergraduate non-specialist mathematics modules and another of their lecturers. The surveys aimed to identify the topics that these students found difficult, whether they had most difficulty with the concepts or procedures involved in the topics, and the resources they used to overcome these difficulties. In this paper we focus on the mathematical concepts and procedures that students found most difficult. While there was agreement between students and lecturers on certain problematic topics, this was not uniform across all topics, and students rated their conceptual understanding higher than their ability to do questions, in contrast to lecturers' opinions.*

Keywords: higher education