

ZMATH 2011c.00421

Polanco, Moris

The AproS project: Teaching logic to business and engineering students.

Blackburn, Patrick (ed.) et al., Tools for teaching logic. Third international congress, TICTTL 2011, Salamanca, Spain, June 1–4, 2011. Proceedings. Berlin: Springer (ISBN 978-3-642-21349-6/pbk). Lecture Notes in Computer Science 6680. Lecture Notes in Artificial Intelligence, 190-197 (2011).

Summary: The paper discusses the use of the tools provided by the course Logic & Proofs, of the Open Learning Initiative (Carnegie Mellon University), for teaching Logic to freshmen students of Business Administration and Engineering at Francisco Marroquín University (Guatemala) over a period of two years. It is argued that the distinctive focus of the course- “strategic argumentation” -needs to be adapted to the students specific interests in order to be relevant to their education. Polya’s “heuristic” approach to problem-solving is proposed as a complement to the course.

Classification: E35 E55 R25 R45 A65

Keywords: introduction to logic; strategic thinking; automated proof search; Proof Lab; natural deduction; proof; university teaching

doi:10.1007/978-3-642-21350-2_23