

1154-Q1-214

Samer Habre*, P.O. Box 13-5053, Chouran, Beirut, 1102 2801, Lebanon. *Students'*

Comprehension of Qualitative Techniques in an Inquiry-Oriented Differential Equations Course.

In Spring 2018. an inquiry-oriented differential equations course was offered at the Lebanese American University. This paper highlights students' comprehension of qualitative techniques for solving differential equations, such as what constitutes a solution, slope fields, phase lines, and phase planes. The paper also discusses students' performance on the final exam; more specifically, I present a comparison between their performance on procedural vs. non-procedural problems. (Received August 24, 2019)