

Graduate Seminar in Mathematics

Margo Kondratieva
Memorial University

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1:00 - 2:00 p.m., HH-3017

**Multiple-solution interconnecting problems and university level
mathematics**

Abstract:

There are many powerful and universal mathematical methods taught at the university level. Such methods allow treating general classes of problems (say, in calculus or linear algebra) and are mastered by prospective engineers, applied mathematicians and other students educated in mathematics departments. However, there are individual problems, which could be solved by a general approach, but which as well have different and often original solutions that appeal to either a different branch of mathematics or less advanced mathematics. Two such examples will be discussed in this talk. This session will call for your active participation.