

Department of Applied Mathematics, University of Waterloo

GRADUATE STUDENT SEMINAR

MONDAY, OCTOBER 31ST, 2011

16:30 – 17:30; MC 5136



Numerical Experiments of Flow over Topography in
a Stratified Fluid

- [Nancy Soontiens](#), PhD Candidate -



Internal waves are an important component when considering the energy budget of environmental flows. One forcing mechanism for internal waves in the atmosphere, ocean and lakes is flow over topography. In this talk I will discuss the generation of internal waves in an idealized, stratified fluid by considering topography shape and the effects of viscosity. The presentation will include a discussion of the interaction between internal waves and the boundary layer. A steady state, inviscid equation and solver will also be presented.



PIZZA, SOFT DRINKS, AND SNACKS PROVIDED
COURTESY OF THE DEPARTMENT



AVAILABLE DATES FOR FUTURE SPEAKERS:

- NOVEMBER 14, 2011
- OTHER DATES UPON REQUEST



Questions, Comments, and Interest can be directed to
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