STUDENT SEMINAR

Mathematics & Computer Science

Friday – November 1, 2013

D632

12:00 – 12:50 p.m.

Speaker: Amber MacKintosh

Title: Mathematics and Political Science

Abstract:

Voting Bloc Power? Arm's Race? Mutually Assured Destruction? Escalation? Confused yet? Don't worry, mathematics can explain it all through the exploration of mathematical applications to political science.

With the use of indexes, we will be able to calculate how much power a voting bloc has in the United States Federal System. Game theory models can help us better understand and represent the historical event of the Arm's Race. Probability will be a useful tool in calculating the best strategy when facing Mutually Assured Destruction. A powerful theorem and a real life setting will aid in our understanding of escalation that may occur in historical events.

OPEN TO ALL INTERESTED PERSONS