

# GRADUATE SEMINAR IN OPTIMIZATION

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MATHEMATICS & COMPUTER SCIENCE  
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**Title:** Byzantine Generals Problem

**Abstract:** There are  $n$  generals of war deciding about whether to "attack" or to "retreat" during a particular phase of a war. A sensible goal is that all generals should agree on the same plan of action. However, some of these generals may be "traitors," with power to suggest conflicting opinions/decisions in order to prevent the "loyal" generals from reaching an agreement. I will discuss a strategy by which every loyal general eventually agrees on the same plan regardless of the actions/opinions of the traitors.

**WHEN**  
**WED, OCT 16**  
**11:00 AM**

**WHERE**  
**SA6202**

**WHO**  
**ANYONE WHO'S**  
**INTERESTED**