

GRADUATE STUDENT SEMINAR

Guest Speaker: Karim Boustany

University of Notre Dame

Date: Tuesday, February 7, 2023

Time: 4:00 PM

Location: 258 Hurley Hall

Zoom URL: notredame.zoom.us/j/93888654312

Lecture Title:

A Panoramic View of Symplectic Topology

Abstract

Symplectic topology is a very active area of research which serves as a meeting ground for many different branches of mathematics. It also exhibits many curious features which result from an interesting hard/soft dichotomy inherent in the subject. In this talk, which is the first in a series of two, I will aim to introduce the basic notions of symplectic topology and survey some interesting examples and results, as well as maybe its connection to other fields. The talk is accessible to all graduate students familiar with the elementary machinery of smooth manifolds, as taught in Topology I for example. The sequel talk will focus on the theory of pseudoholomorphic curves in symplectic manifolds, bringing us closer to some more modern aspects of the subject.