

MATH 131: Network Science

This course is an introduction to the field of network science with an emphasis on the mathematical aspects and properties of networks. A network is an accessible yet powerful structure used to represent and study relationships. In practice, networks model different phenomena arising in fields such as biology, economics, sociology, computer science, and physics. In this class, we'll look rigorously at the mathematical structure of networks (this field is often referred to as graph theory), while also considering real world models, such as spread of disease, web link analysis, and financial networks. *This course has no prerequisites.*

Units: 3

Program: [Mathematics](#)