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Spatial Modeling of Wildfire Risk

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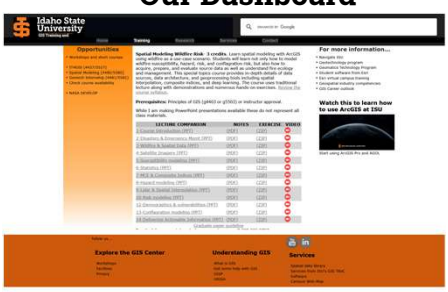
Course Description

- Learn spatial modeling with ArcGIS using wildfire as a **use-case scenario**. Students will learn not only how to model wildfire susceptibility, hazard, risk, and conflagration risk, but also how to acquire, prepare, and evaluate source data as well as understand fire ecology and management. This special topics course provides in-depth details of data sources, data architecture, and geoprocessing tools including spatial interpolation, composite indices, and deep learning.

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Our Dashboard



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Syllabus

- Each week will include:
  - Announcements, review, and warm up
  - Presentation and discussion
  - Two-minute write
- Homework exercises are typically due the following week
  - Deadline to avoid late penalties
  - File naming convention
- Graduate student projects
- Office hours

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Structure

- Participating in discussions is important to earn classroom points (20%)
  - Engagement is critical
- Two-minute writes
- Debrief summaries

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Questions



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