

Students are required to attend classes and expected to attend movie streaming using [zoom](#) on Wednesdays from 19:00.

Course Requirements

Students must:

- Be comfortable with high-school level math and science
- Attend class
- Actively participate in class discussion
- Complete weekly assignments and work closely with fellow students
- Attend group viewing of each film, or take the time to watch the film independently if not able to watch with the group

Course Structure

- Each week's movie will be screened for the class [via zoom](#) on Wednesdays from 19:00.
- Class meets once a week.

Weekly Assignments

These assignments consist of readings relevant for the natural phenomena depicted in the movie for the week, identification of some scenes from the movie, and possibly some calculations associated with topics covered in class.

Final Project

The final project is to create a proposal for a blockbuster GeoSciFi movie plot based upon concepts learned in class. This will be completed in a group of 2 to 5 students. Each proposal will include at least one violation of the laws of physics, a proposed movie poster, and one quantitative assessment of the reality of a component in the plot. Each group will present the plot to the class, and will write up an outline of the plot as a final written report.

Teaching Staff

Instructor: [Miaki Ishii](#)

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Teaching Fellow: [Yichen Geng](#)

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Office: Geological Museum 202A or [zoom](#)

Tentative Course Outline

Week*	Movie	Topic
Week 1	Introduction	Preparation for the Montserrat RPG
Week 2	Montserrat Role Playing Game	
Week 3	<i>Dante's Peak (1997)</i>	Volcano Monitoring
Week 4	<i>Twister (1996)</i>	Tornadoes
Week 5	<i>San Andreas (2015)</i>	Earthquakes
Week 6	<i>The Core (2003)</i>	Geomagnetic Storms
Week 7	<i>The Day After Tomorrow (2004)</i>	Climate Change
Week 8	Vorti City Role Playing Game	
Week 9	<i>Into The Storm (2003)</i>	Extreme Weather
Week 10	<i>Armageddon (1998)</i>	Asteroid Impacts
Week 11	<i>Volcano (1997)</i>	Volcanic Eruption
Week 12	<i>Deep Impact (1998)</i>	Tsunamis
Week 13	<i>2012 (2009)</i>	Too much to choose from here...

Montserrat Role Playing Game

For the second week's class, the students will play the Montserrat Role Playing Game. This game takes place on the island of Montserrat where a volcanic eruption may or may not occur. Students are expected to be active participants in their assigned roles (government, community, or scientists), and students who are late for the class will not be allowed to participate. Therefore, students with schedules that will not allow on-time start of the class are discouraged from enrolling in the course.