

Physics Capstone Presentations

Friday May 10, 2019
Morken 105

Fluids and Waves

1:45 **Laura Glastra** “Microplastics Adsorption in Ocean Water”

2:00 **Adam Lamontagne** “Non-Newtonian fluid response to impact: An exploration”

2:15 **Jeremy Flannery** “Fundamentals of Fourier Transforms”

---30-minute break---



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Optics

3:00 **Robert Norton** “A Review of Brewster's Angle”

3:15 **Chris Anderson** “Investigating an Optical Model for Plasma Produced in Grapes”



Chocolate Crush photo by Nate Lee

Material Science

3:30 **Sydney Spray** “Don't Go Braking my Heart: An Analysis of the Factors Influencing the Braking Coefficient of an ATC Device.”

3:45 **Nate Lee** “Experimental Determination of Elastic Constants for Chocolate”

---30-minute break---



Image from ESA

Particles and Dynamics

4:30 **Amber Cooper** “Creation of a Lab Cloud Chamber and the Analysis of Particle Tracks”

4:45 **Joe Sammartino** “Designing two Alexa Skills”

Astrophysics

5:00 **Megan Longstaff** “Jupiter's Impact on Asteroids”

5:15 **Justin DeMattos** “The Orbital Dance of Two of Saturn's Moons: Epimetheus and Janus”

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Image from NASA