

# DUNE RESEARCH PRESENTATIONS 2021



*FYRES students present the results of 2021 research projects on 2 December 2021*

Research teams from GEO 181 First-Year Research in Earth Sciences (FYRES) present the results of their research projects focused on Lake Michigan dunes and Calvin University's Perseverance Dune. Topics include dune slope stabilization after wave erosion, a comparison of an artificial blowout with natural blowouts, understanding dune ramps, patterns of a rare dune thistle, incipient foredune formation, and relationships between dune characteristics and deer populations.

Presentations take place from 2-3:30pm on Thursday, 2 December 2021.

## **Presentation Topics and Research Teams**

### **Dune Slope Stabilization after a Period of Severe Wave Erosion**

by Cassie Demlow, Abby Marie Gustafson, and Amira Ribbens

### **Comparing an Artificial Blowout to Three Natural Blowouts**

by Anneka Bos, Kathryn Gardner, Levi Huizenga, Sam Skillen

### **Sand Ramps at P.J. Hoffmaster State Park**

by Grace Buller, Naomi DeVries, and Branden Husted

## **The Effects of Erosion and Deposition on a Rare Dune Thistle**

by Jacob Fetter, Young Sung Lee, Levi Libolt, and Thomas Smith

## **Looking for Incipient Foredunes on the Lake Michigan Coast**

by Nathan Disher, Cody Husted, Avery Lewis, and Seth Reif

## **Comparing Dune Characteristics and Deer Populations on West Michigan Dunes**

by Charlie Baumeister, Braden DeWeerd, Lucy Gordon, and Karissa Kuperus

*More information: Use our [poster](https://calvin.edu/academics/departments-programs/fyres/files/Dune-Research-Presentations-2021-poster.pdf) (<https://calvin.edu/academics/departments-programs/fyres/files/Dune-Research-Presentations-2021-poster.pdf>) to spread the word. Look at our [information sheet](https://calvin.edu/academics/departments-programs/fyres/files/GEO%20Seminar%20-%20Dune%20Research%20Presentations%202021%20-%20Flier.pdf) (<https://calvin.edu/academics/departments-programs/fyres/files/GEO%20Seminar%20-%20Dune%20Research%20Presentations%202021%20-%20Flier.pdf>) for detailed Zoom information and COVID protocols.*