

Summer 2020

THERMODYNAMICS IN THE LAND OF FIRE & ICE

Reykjavik, Iceland



SUMMER PROGRAM DATES

June 16 – July 14, 2020

INSTRUCTOR

Paul Erikson (paerickson@ucdavis.edu)

COURSES

Engineering 105, 198

PREREQUISITES

PHY 9B and MAT 22B

Because Iceland's electrical grid is entirely powered by geothermal and hydroelectric resources, Iceland is a unique setting to learn about renewable power and thermodynamic science. Iceland also has abundant natural wonders as it sits upon an area where the tectonic plates are dividing and the land is being shaped by volcanic and glacial activity. We will stay on the outskirts of Reykjavik and will take field trips to nearby power plants and manufacturing facilities. We will also visit the UNESCO World Heritage Site Pingvellir, where deep fissures between the North American and European Plates are visible at the surface. At various destinations we will see puffins and other exotic birds, waterfalls, and geothermal fields. We will cross the Arctic Circle, where we will have a chance to experience the midnight sun (weather permitting).



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ELIGIBILITY

- 18 years of age or older
- 15 accredited college units completed
- Good disciplinary standing; 2.0 GPA

PROGRAM HIGHLIGHTS

- Learn and experience the fundamentals of thermodynamics and renewable power in a country where the electrical grid is entirely powered by geothermal and hydroelectric resources.
- Explore the natural wonders of Iceland's unique geography and geology where the North American and European tectonic plates divide.

ENROLLMENT PERIOD

Jan. 8 – Apr. 3, 2020

*Secure your space early!
Enrollment is on a
first-completed,
first-reserved basis.*

- **Financial Aid Applies**
- **Earn 8 Units in 4 Weeks**
- **Led by UC Davis Faculty**
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