Summer 2018 Study Abroad Course  
May 22nd – June 2nd  

ICELAND  

ENME 407 - The Land of Fire and Ice  
Sustainability, Climate Change and Renewable Energy Systems  

COURSE OVERVIEW  
Course Instructors - Mr. Michael Galczynski & Dr. Natasha Andrade  
Iceland2018@umd.edu  

PROGRAM ACADEMICS  
• Counts as Upper Level Engineering Technical Elective  
• Double Counts for Sustainability Minor Elective  

PROGRAM HIGHLIGHTS  
• Explore innovative solutions to global climate change  
• Compare and contrast the benefits and drawbacks of a variety of "sustainable" technologies  
• Analyze the generation, use, and implications of renewable energy technologies  
  ○ Visit geothermal, hydroelectric, wind and other power generating stations  
• Immerse yourself in Icelandic Culture and learn about its storied history by visiting museums and meeting with Icelandic Students in the capital of Reyjavik  
• Explore and Experience some of Iceland’s most breathtaking natural wonders: Gulfoss Waterfall, Strokkur Geysir, Tjingvellir National Park, Hike on a Glacier, and many more!  

WANT TO LEARN MORE?  
Applications Due March 1st 2018  
For More Information about the Course / to Express Interest Please Contact: Iceland2018@umd.edu  
Course Website: http://ter.ps/icelandengr
COURSE DESCRIPTION, GOALS, AND EXPECTATIONS

Background

Countries around the world are beginning to develop innovative and sustainable solutions that not only protect the environment, but that also can improve human health and quality of life. With its stunning mixture of volcanic geology and its northerly location, Iceland, sometimes called the "land of fire and ice", is uniquely poised to lead the world in sustainable technologies. Today, almost 100 % of the electricity consumed in this country of over 300,000 people comes from renewable energy sources.

Course Description

The purpose of ENME 407 is to provide students with the opportunity to experience the innovative solutions that Iceland has employed to combat climate change, and to explore the country’s majestic natural wonders.

Given Iceland’s unique natural resources, the course will specifically explore the generation, use, and impacts of both geothermal energy and hydroelectric power, as well as plate tectonics and volcanology. In addition to acquiring technical skills, students will also develop self-awareness, explore their identity, and develop cross-cultural skills as they immerse themselves in Iceland’s historically rich language and culture. Enrolling in this course will afford students with a once in a lifetime experience that provides them with the inspiration, skills, and the confidence necessary to tackle the challenges of global climate change.

Program Fees

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<thead>
<tr>
<th>Billable Costs</th>
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<tbody>
<tr>
<td>Billable costs are charged to your student account. They are due based on the Bursar's payment schedule. Be sure to check your statements when they are available.</td>
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<tr>
<td>Education Abroad Fee</td>
<td>$500</td>
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<td>This fee is charged to your account when the application status changes from &quot;Accepted&quot; to &quot;Committed.&quot; This fee includes Education Abroad services including registration, billing, advising, risk management, and pre-departure orientation.</td>
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<tr>
<td>International Health Insurance</td>
<td>$37</td>
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<tr>
<td>Tuition</td>
<td>$2,443</td>
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<td>This fee is charged to your UMD account upon course registration. This fee includes: Tuition, in-country transportation, course related activities, group meals, and teaching services.</td>
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<tr>
<td>Housing Fee</td>
<td>$970</td>
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<td>This fee represents the housing provided during the program.</td>
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<td>TOTAL PROGRAM FEE</td>
<td>$3,950</td>
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