Environmental, Ecology, and Conservation Programs

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Please check in here: https://myumi.ch/r8DN2

October 7, 2021 (Thursday)
2:00-3:00 PM (EST)
Take focused, theme-based courses taught in English during the spring/summer
Impacts of COVID-19

- Unfortunately, a number of study abroad programs have been cancelled due to COVID-19
- There is still a great deal of uncertainty on whether or not certain spring/summer 2022 programs will be offered
- Students should try to be flexible and adaptable and have backup plans in case programs are cancelled
- The COVID-19 situation is rapidly changing, which impacts country entry requirements, visa issuance, lockdowns and restrictions, etc.
- For COVID-19 related information, please visit the CGIS Health & Safety Alerts page: myumi.ch/yKM55. There is also a link to COVID-19 FAQs
Highlights

- Take preset, focused, theme-based courses
- Programs are open to any major (some programs have prerequisites)
- Courses are taught in English
- Field-based, hands-on experiential learning
- LSA students earn UM in-residence credit
- Study alongside students from all over the US
- Many programs incorporate field trips and travel in host country
- Programs are operated by trusted CGIS partners
School for Field Studies (SFS)

Spring/Summer: Bhutan -- Cambodia -- Kenya -- Tanzania -- Turks & Caicos Islands

- Contribute to a legacy of environmental research and stewardship.
- Experienced research scientists will push you to get creative as you work to understand the critical environmental issues of our time.
- Get ready for muddy boots, cold showers, and dirt under your fingernails, because you’ll be in the field doing science, not just talking about it in a classroom.

- SFS offers two different summer session in each location.
- Each session is four weeks long and worth four credits.
- Do two back-to-back summer sessions and get a $1,000 discount from SFS!
Session 1: Fundamentals of Marine Conservation

- Marine ecology and conservation
- Climate change and ocean acidification
- Marine protected areas
- Coastal management
- Marine resource management strategies
- Sustainable tourism and fisheries practices

Course: Tropical Marine Ecosystems: Monitoring and Management

Session 2: Marine Megafauna

- Marine ecology and conservation
- Climate change and ocean acidification
- Marine species population health
- Large fauna behavior and tracking
- Marine protected areas

Course: Marine Megafauna Ecology and Conservation
Sample Day Schedule:

0700 Breakfast
0745 Morning Meeting
0800 Lecture (classroom or field)
0900 Lecture (classroom or field)
1000 Break
1020 Lecture (classroom or field)
1120 Lecture (classroom or field)
1230 Lunch
1400 Field Work
1830 Dinner
1930 Evening activities may include lecture, dive, snorkel, study, free time

- SFS Turks and Caicos Summer Field Guide
Environmental Studies in Paro, Bhutan

Session 1: Forests in the Land of the Thunder Dragon

- Mountain and forest ecology and conservation
- Climate change
- Geology and hydrology of mountain regions
- Community forest management
- Influence of Buddhist philosophy on conservation
- Rural-Urban migration
- Agriculture and food security

Course: Himalayan Forests and Gross National Happiness

Session 2: Big Cats of the Himalayas: Tracking and Conservation

- Big cat conservation challenges and approaches
- Population assessment and species distribution ranges
- Ecology of Himalayan mountains and forests
- Climate change and impacts on conservation
- Influence of Buddhist philosophy on conservation

Course: Tracking and Conservation of Big Cats in the Himalayas

Cancelled for spring/summer 2022

- Summer Session 1
- Summer Session 2
- M-Compass
Wildlife and Ecology in Kimana, Kenya/Tanzania

Session 1: Fundamentals of Wildlife Management (Kenya/Tanzania)

- Behavioral ecology
- Field ornithology
- Human-wildlife conflict
- Community conservation approaches
- Wildlife and natural resource management policies

Course: Wildlife Management and Conservation

Session 2: Primates of the African Savanna (Kenya)

- Primate ecology
- Wildlife management
- Primate social behavior and intelligence
- Habitat fragmentation
- Primate population dynamics
- Conservation strategies and challenges

Course: Primate Behavioral Ecology in East Africa

Cancelled for spring/summer 2022

- Summer Session 1
- Summer Session 2
- M-Compass
Session 1: Fundamentals of Wildlife Management (Kenya/Tanzania)

- Behavioral ecology
- Field ornithology
- Human-wildlife conflict
- Community conservation approaches
- Wildlife and natural resource management policies

Course: Wildlife Management and Conservation

Session 2: Carnivores of the African Plains (Tanzania)

- Carnivore behavioral ecology
- Predator-prey interactions
- Human-wildlife conflict
- Wildlife and natural resource management

Course: African Large Carnivores: Ecology and Conservation

Cancelled for spring/summer 2022
Conservation and Development Studies In Siem Reap, Cambodia

Session 1: Elephants of the Cambodian Highlands

- Asian elephant ecology and conservation
- Cambodia’s highland ecosystems
- Traditional culture of the Bunong people
- Human-elephant interaction and conflicts
- Wildlife management policies
- Elephant health and welfare

Course: Ecology and Conservation of Southeast Asian Elephants

Session 2: TBD for spring/summer 2023

Cancelled for spring/summer 2022

- Summer Session 1
- Summer Session 2
- M-Compass
There are two parts to the application process, the CGIS part (M-Compass) and the SFS part (SFS online portal).

The SFS part of the application requires the following:
- SFS online application
- Academic reference
- Character reference
- Official transcript
- SFS Participation Approval Form
- Admissions interview

All SFS 2022 Summer Sessions have the same dates:
- Summer Session 1: June 6 to July 6
- Summer Session 2: July 11 to August 10

Each SFS Summer Session is worth 4 credits. Financial Aid students must enroll in at least 6 credits during the spring/summer to get financial aid.

SFS program fees range from $6,985 to $7,585 per session. If you do two back-to-back summer sessions, you’ll get a $1,000 discount from SFS.
EcoQuest Field Studies in Whakatikiwai, New Zealand

EcoQuest program: Ecology in Action

- Plant and animal pest management
- Native revegetation and habitat enhancement
- Endangered species translocations
- Ecological monitoring of native flora and fauna
- Human impact and restoration initiatives
- Political frameworks for resource management

**Course 1:** [Ecology and Biogeography of New Zealand](#) (5 credits)
**Course 2:** [Environmental Policy, Planning and Sustainability in New Zealand](#) (3 credits)

**EcoQuest Highlights**

- Live in a vibrant, sustainable learning community
- Engage with the local Māori community and learn about their culture, history and traditions. Stay at a traditional Māori marae.
- Learn about ecology and environmental policy while exploring islands in the Hauraki Gulf, New Zealand's largest marine bay

**EcoQuest website**
**M-Compass**
EcoQuest Information

- There are two parts to the application process, the CGIS part (M-Compass) and the Ecoquest part

- The EcoQuest part of the application requires the following:
  - EcoQuest application form
  - Academic reference
  - Character reference
  - Official transcript
  - Admissions interview

- **Eligibility Requirements**: completion of at least 48 semester credit hours (or equivalent) of college/university studies, with at least one semester course in natural sciences (biology, chemistry, earth sciences, physics) and one in social sciences (anthropology, economics, geography, political science, sociology)

- **Spring/summer 2022 Program Dates**: May 30 to July 1

- **Credits**: 8 credits

- **EcoQuest program fee**: $8,490
Global Course Connections (GCC) in Milan, Italy: Climate Change and Sustainability

Program Description

- Observe processes and issues related to climate change and sustainability, and study their effects in the Mediterranean.
- Learn about the ways in which these issues have played out in the past. Explore how Italy is dealing with climate change today.
- Compare different geographic and geological settings, highlighting how those realities impact the struggles communities have been facing regarding climatic and environmental changes.
- Explore cities surrounding Milan and Venice while immersing in Italian culture.

- **M-Compass Brochure**
- **GCC Application Deadline is December 10**
Global Course Connections (GCC) in Milan, Italy: Climate Change and Sustainability

This GCC program features 2 components:

**On-campus**: Students take EARTH 172 or ENVIRON 111 (4 credits) during winter 2022

**Off-campus**: Students travel abroad in July for 3 weeks with UM professor and take ENVIRON 245 (2 credits)

**UM Instructor**: Dr. Michela Arnaboldi, Lecturer, Department of Earth and Environmental Sciences

All credits will be charged during the winter 2022 semester

**LSA Pell Grant Recipient?**

LSA Pell Grant recipients who do a GCC program can receive the GCC Grant which pays the entire GCC program fee. However, students MUST apply for the [LSA Study Abroad Scholarship](#). Applicants will also be considered for other scholarships that cover travel expenses.
Summer Study Abroad in Copenhagen, Denmark or Stockholm, Sweden (DIS)

- DIS courses are 3-4 credits each
- Sessions 2 and 3 include a week-long Study Tour
- Students can do 1-3 sessions
- Financial aid students must take at least 6 credits during spring/summer to receive financial aid
Summer Study Abroad in Copenhagen, Denmark or Stockholm, Sweden (DIS)

Session 1 (May 22 to June 10)
- Environmental Philosophy (D)
- Food and Identity (D)
- Strategies for Urban Livability (D)
- Sustainable Business Strategy (D)
- Sustainable Denmark: Solutions and Dilemmas (D)

Session 2 (June 13 to July 2)
- Engineering Sustainable Environments in Scandinavia (S)
  - Study Tour in Iceland
- Climate Change and Glaciers (D)
  - Study Tour in Norway or Iceland
- European Biodiversity (D)
  - Study Tour in Andorra and Spain
- Renewable Energy Systems (D)
  - Study Tour in Germany
- Sustainable Development in Northern Europe (D)
  - Study Tour in Norway

Session 3 (July 4 to July 30)
- Migration and the City (S)
  - Study Tour in Sicily
- Arctic Ecology (D)
  - Study Tour in Greenland
- Bicycle Urbanism (D)
  - Study Tour in the Netherlands
- Renewable Energy Systems (D)
  - Study Tour in Germany
- Sustainable Development in Northern Europe (D)
  - Study Tour in Norway

D=Denmark; S=Sweden
University Study in the UK - University of Oxford, St. Peter's College

M-Compass Brochure

St. Peter’s College Summer School at Magdalen College, University of Oxford

Includes an Environmental Studies track

Course Options

- Climate Change In The Anthropocene: Global Catastrophic Risk & Management
- Environmental Change & British Landscape Development (11,500 BP to 1700 AD)

Dates: July 2 to August 6, 2022

Credits: 6-8 credits per term
STEM Summer Research Program in Granada, Spain

- Earn 6 research credits over 8 weeks in the summer through Arcadia and the Andalusian Institute for Earth System Research (IISTA).
- Conduct faculty-supervised, hands-on research projects with results that will culminate in the preparation of a research paper.
- Faculty mentors will work closely with you to direct your continued growth and knowledge development in the chosen research topic discipline.

Sample Research Projects (2021)

- CHANGES IN AIR QUALITY IN GRANADA (SPAIN) DURING THE SARS-COV-2 EPIDEMIC LOCKDOWN
- VISUALIZATION OF NASA SATELLITE DATA FOR THE OBSERVATION OF EARTH'S ATMOSPHERE
- NOAA HYSPLIT MODEL: A COMPLETE MODELING SYSTEM FOR SIMULATING DISPERSION OF ATMOSPHERIC MATERIAL

STEM Summer Research - Granada Courses
STEM Summer Research Program in Granada, Spain

Complete a minimum of 240 hours on research in and out of the laboratory.

Speak with your research mentor before arriving in Spain to work on a literature review and ask any questions.

Application Deadline: December 1, 2021
Program Costs

Partner Study Abroad Programs

- Students pay a **program fee** directly to the partner. They don’t pay UM tuition.
- Students pay additional costs such as airfare, personal expenses, GeoBlue, etc.
- Specific additional costs depend on the program.

- Generally, students are able to use their financial aid packages, in some form, towards a study abroad program.
- Aid packages change when applied towards study abroad programs.
- CGIS strongly recommends that applicants meet with the **Office of Financial Aid (Study Abroad team)** to discuss how aid packages will be applied towards study abroad programs.

![Climate Change and the Arctic in Ísafjörður, Iceland](image)

**Program Budget Sheet**

<table>
<thead>
<tr>
<th>EXPENSES</th>
<th>LOCAL CURRENCY</th>
<th>USD ($)</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>UM Tuition</td>
<td>ISK 800</td>
<td></td>
<td>Students will register as full-time UM students during the program, but they will not pay UM tuition.</td>
</tr>
<tr>
<td>GeoBlue insurance</td>
<td>ISK 131.14</td>
<td></td>
<td>Mandatory. Based on program dates</td>
</tr>
<tr>
<td>Billed by 3rd party provider / host institution</td>
<td>ISK</td>
<td></td>
<td>Billed by SIT. Includes tuition, room and board, program-wide excursions and travel, and health insurance. SIT matches federal Pell Grant funding for students who use their Pell Grant to help pay the cost of their SIT program (semester only). Students should apply for an SIT scholarship to be eligible for the Pell Grant match.</td>
</tr>
<tr>
<td>Program Fee (SIT)</td>
<td>ISK 27,821</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Entry Expenses</td>
<td>ISK</td>
<td>2,204</td>
<td>Estimated using DTW and arrival destination. This cost may vary based on point of departure, carrier, and dates.</td>
</tr>
<tr>
<td>Round Trip Airfare</td>
<td>ISK</td>
<td></td>
<td></td>
</tr>
</tbody>
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**Financial Aid and Scholarships**

**Office of Financial Aid (Study Abroad)**
- Email: finaid.abroad@umich.edu

**Study Abroad Estimate Worksheet**

**LSA Scholarships**
- Email: lsascholarships@umich.edu

**CGIS: Financial Aid and Scholarships**
CGIS Information

- Spring/summer 2022 CGIS application deadlines
  - Spring: January 15
  - Summer: February 1

- LSA students on CGIS programs receive UM in-residence credit

- Students should meet with their UM academic advisors to discuss courses taken abroad

- CGIS First Step session (Mondays to Thursdays at 12:00 noon)

- CGIS Links
  - Website
  - Express Advising
  - Health and Safety
  - Identities Abroad
GeoBlue International Health Insurance

- Students are covered by GeoBlue for the duration of the program. Coverage begins two days prior to the program start date and ends two days after the program end date. CGIS organizes and purchases GeoBlue for the entire group.

- You can extend your GeoBlue coverage if you are going to do personal travel before or after the program. GeoBlue is only $1.35 per day.

- Students receive a GeoBlue card and information letter. If you lose your card, you can go to the following link and print one out (https://www.geobluestudents.com/).
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