

# **Global Sustainability Scholars Class of 2017**



# ECUADOR

## Human Development, Diversity and Sustainability

This program takes you to all of the main regions of Ecuador—Andes mountains, Amazon region and the Pacific Coast—in order to experience the diversity and complexity of sustainable development. We will have an opportunity to visit a wide variety of ecosystems with an unparalleled level of biodiversity and physical and human geography; in one day we can travel from the central Andes to the Amazon region. Ecuador is a culturally, socially, politically and economically diverse country. While Ecuador is unique, it can also reflect what can be found in other regions of Latin America, and offers a window into how to couple human development with some of the Earth's most precious resources.

### Faculty

Dr. Mary Jane Parmentier

### Walton Global Scholars:

Chloe Cardone  
Rajeev Chhetri  
Samuel Holdren  
Judith Jacques  
Peyton James  
Logan Miller

Jon Parkin  
Cassidy Pietak  
Trevor Pittman  
Maryam Abdul Rashid  
Kayla Torry  
Austin Zink

An illustration in a flat, stylized art style. It features a large stone lion statue on the left, a central stone bull statue (Nandi) facing right, and a stone horse statue in the foreground. In the background, there are traditional Nepalese houses with dark brown tiled roofs and a small white stupa. The word 'NEPAL' is written in large, white, bold, sans-serif capital letters across the top left, with a red horizontal line passing through the middle of the letters.

# NEPAL

## Re-imagining Environmental Sustainability in Urban and Rural Nepal

This program will lead you through understanding the challenges of risks and resilience in Nepal's urban and rural environment as affected by the two massive earthquakes in 2015, along with six students from Nepal's Tribhuvan University. In particular the project will focus on the sustainable livelihood systems and buffer zones of Nepal to allow you to understand rural-urban transition in South Asia and provide a sense of sustainable development in urban systems, rural area, and wildlife conservation.

### Faculty

Dr. Nalini Chhetri

### Walton Global Scholars:

Mattie Friedman  
Nicholas Johnson  
Leah Jones  
Elyse Kats  
Hannah Kuhlemeier  
Gillian Macchia

Joash Ospino  
Simol Shah  
Jake Wilson  
Emily Zumtobe

An illustration featuring a zebra in the background with its characteristic black and white stripes. In the foreground, there is a tan safari hat with a dark brown chin strap and a black DSLR camera with a lens attached. The background is a solid orange color.

# SOUTH AFRICA

## Sustainability Challenges of the Wildlife Economy in South Africa

This unique Global Sustainability Study Abroad class will immerse students in the social/cultural, environmental, and economic challenges facing South Africa with its legacies of colonialism and Apartheid, and with the 1994 ratification of one of the world's most progressive constitutions. We will focus on the social/cultural, environmental, and economic conflicts and opportunities in and around Kruger National Park, associated with the government's Wildlife Economy policies, from both sustainability and conservation biology perspectives.

### Faculty

Dr. Daniel L Childers and Dr. Sharon Hall

### Walton Global Scholars:

Mackenzie Agosta  
Brenton Clark  
Mckenna Daniel  
Jessica Davidson  
Brenda Davis  
Connor Harrison

Trevor Hatton  
Rachel Johnson  
Andrew Martinez  
Kinley Ragan  
Kylie Southard



# DENMARK

## Sustainable Food Systems, Community Development, & Happiness in Denmark

Urban planning that includes sustainable food systems and urban agriculture provides opportunities for happiness through increased accessibility and affordability of healthy foods and access to green space within urban settings. This summer course is a research-oriented project exploring how multi-scale (individual, neighborhood, and city) resilience and happiness are affected by urban agriculture programs and how interconnected community development subsystems (e.g. water, waste, transportation) support both urban agriculture and happiness in Denmark. By partnering with local organizations, researchers, and universities, students and residents are engaged and empowered to co-develop local solutions to urban sustainability challenges.

### Faculty

Dr. Scott Cloutier

### Walton Global Scholars:

Erica Berejnoi Bejarano  
Kara Davis  
Grant Falvo  
Camille Medeiros  
Billie Nagy  
Tanvi Patel

Tatyana Plummer  
Rachael Rosenstein  
Emma Shelton  
Chloe Sykes  
Danielle Vermeer

A stylized, colorful illustration of a city skyline. In the foreground, a large white arch bridge with blue cables spans across the frame. Behind it, several skyscrapers in shades of blue and orange are visible. The background features rolling hills in shades of green and brown, with a blue sky and white clouds. The overall style is modern and graphic.

# HONG KONG, TAIWAN AND MAINLAND CHINA

## Urban Sustainability in Hong Kong, Taiwan and Mainland China

Cities are increasingly required to address serious sustainability challenges related to energy, transportation, water, biodiversity, waste, land use, food security and community resilience. This course is led by faculty from ASU, Hong Kong University of Science and Technology and National Taipei University. Students will visit Hong Kong (China), Taipei (Taiwan) and Guangzhou (China)— some of the most dense, complicated cities in the world— and will analyze their respective sustainability challenges. Students will receive lectures from scholars, elected officials and sustainability practitioners. They will go on field trips to the front lines of actual sustainability challenges in each city. Working in teams of students from each of these 3 universities, students will develop a sustainability plan for 1 of the 3 cities.

### Faculty

Dr. Rob Melnick

### Walton Global Scholars:

Hailey Baker

Logan Dubek

Jennafer Morgan

Eric Trinh



An illustration of a traditional Nepali house with a stone and wood roof and a wooden door. Several blue solar panels are mounted on the roof and on the ground in front of the house. The background shows green hills and a blue sky with white clouds. The word 'NEPAL' is written in large white letters across the top of the house.

# NEPAL

## GlobalResolve: Grassroots Innovation for Sustainable Development

This GlobalResolve program brings a solutions approach to provide sustainable economic development to underserved communities. Students will work in multidisciplinary teams and apply the theory into practice. We will work directly with a Nepal community near the Chitwan National Park to remove a damaging invasive vine species and convert it to a soil amendment that improves crop production. The hardware will be developed in spring 2017 at ASU in a project class (HON394) and implementation will take place during our study abroad trip spent in the community. The team will work with the users to design and implement use-inspired approach to solving problems. Once the study abroad is completed, we expect students to have a skill set that will prepare them for a career in global innovation and development.

### Faculty

Dr. Mark Henderson and Dr. Netra Chhetri

### Walton Global Scholars:

Timothy Barron  
Anna Bartholomew  
Jordyn Baxter  
Joelle Cayer  
Debbie Chang  
Michael Chatham

Megan Dieu  
Patrick Nganga  
Jobana Westbay



## Unlocked and On the Edge of Rapid Transitions

Understand the complex interactions between the environmental, economic and socio-political outcomes of an expected burst of tourism for the newly-opened borders of Cuba. Through on-site collaboration with Cuban citizens, ASU students will work to develop strategies to build a Circular Economy for sustainable tourism. Students will have the ability to enhance their understanding of their chosen major while enriching their perspective by researching a complex transdisciplinary set of regional challenges.

### Faculty

Brigitte Bavousett and Glenda Whetten

### Walton Global Scholars:

Alfonso Lemus  
Caroline Cloud  
Heidi Hanlon  
Iris Kelly  
Jimmy Labelle  
Lucas Santucci  
Sarah Morrow



An illustration of a Costa Rican landscape. In the foreground, a toucan with a large blue and yellow beak is perched on a branch. Behind it, a red wooden coffee processing machine (pulper) is shown with a yellow hopper and a wooden frame. A sack of coffee beans sits in front of the machine. The background features rolling green hills, palm trees, and a range of blue mountains under a light blue sky.

# COSTA RICA

## Coffee and Climate Change

Using the global coffee commodity chain as a lens, students will view and assess the sustainability of market-based social change initiatives. Over the past two decades social forces have endeavored to foster alternative, market-based models for the coffee commodity chain to ensure a more equitable distribution of the profits between coffee growers and retailers. This program will explore the fundamental question of whether or not markets can be reoriented to reflect a higher social and environmental purpose. This course will also address the impacts of climate change that have added another layer of complexity to conservation and coffee growing efforts across Costa Rica. We will visit communities in the Tarrazu-San Marcos coffee growing region as well as the biodiverse Monteverde cloud forest where conservation efforts provide additional insight.

### Faculty

Dr. Hallie Eakin and Stratis Giannakouros

### Walton Global Scholars:

Emma Censky  
Hannah Lira  
Jesika Bukovac  
Maria Luna  
Matthew Waldman  
Sierra Fortner  
Sydnee Andress

Sydney Rood  
Taskira Khan









