

**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 shades of brown and tan depicting traditional Nepalese architecture and stone carvings. On the left, a large stone lion capital stands on a tiered base. In the center, a stone bull (Nandi) is shown in profile, adorned with a decorative collar. To the right, a stone horse is depicted, also with ornate details. The background features a traditional building with a dark, layered roof and a small, conical structure. The word 'NEPAL' is written in large, white, bold letters across the top left of the illustration.

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

SOUTH AFRICA

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 chin strap, a brown leather bag with a strap, and a black camera with a lens. The background is a mix of tan and blue colors.

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

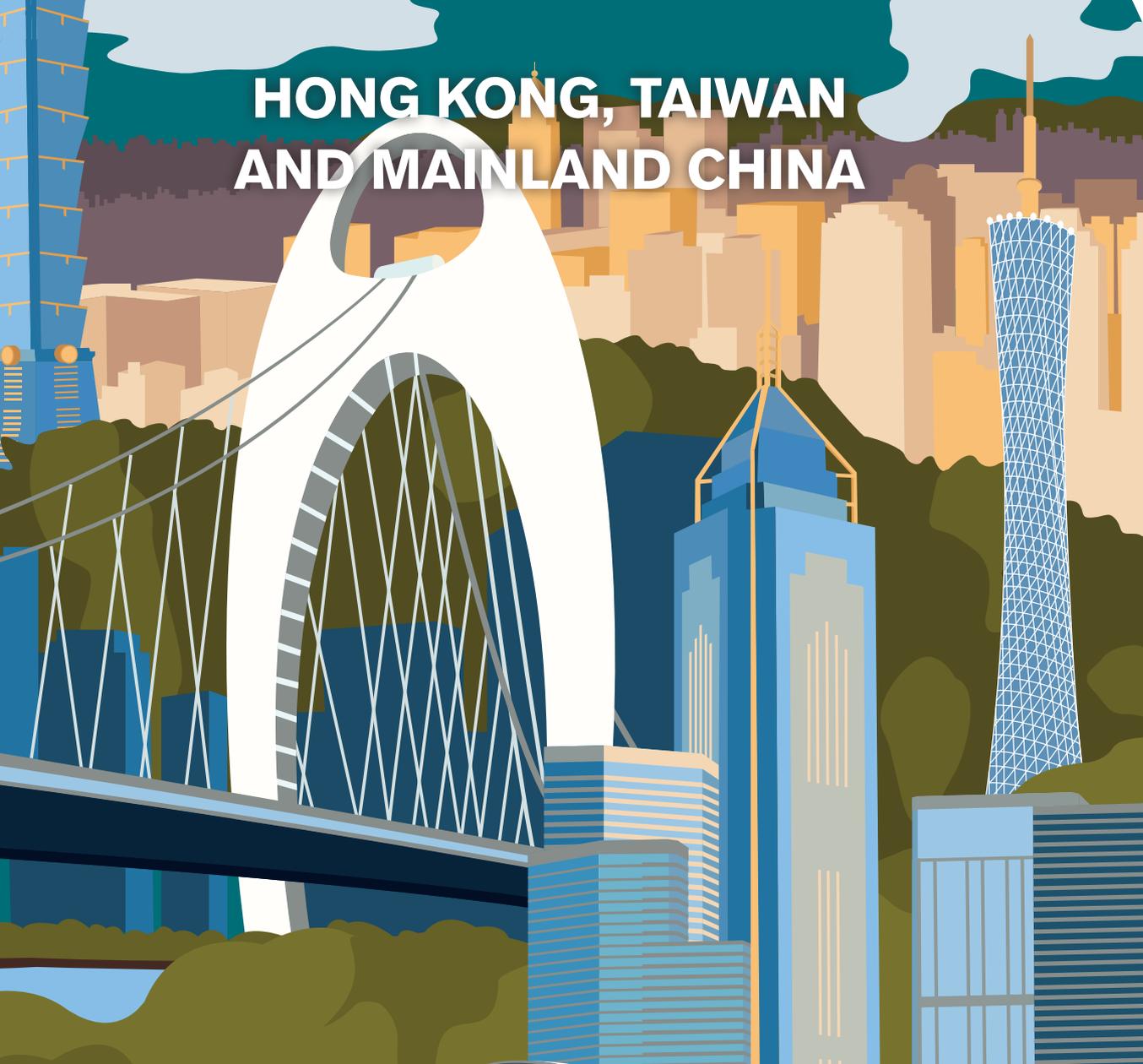
Tatyana Plummer

Rachael Rosenstein

Emma Shelton

Chloe Sykes

Danielle Vermeer



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

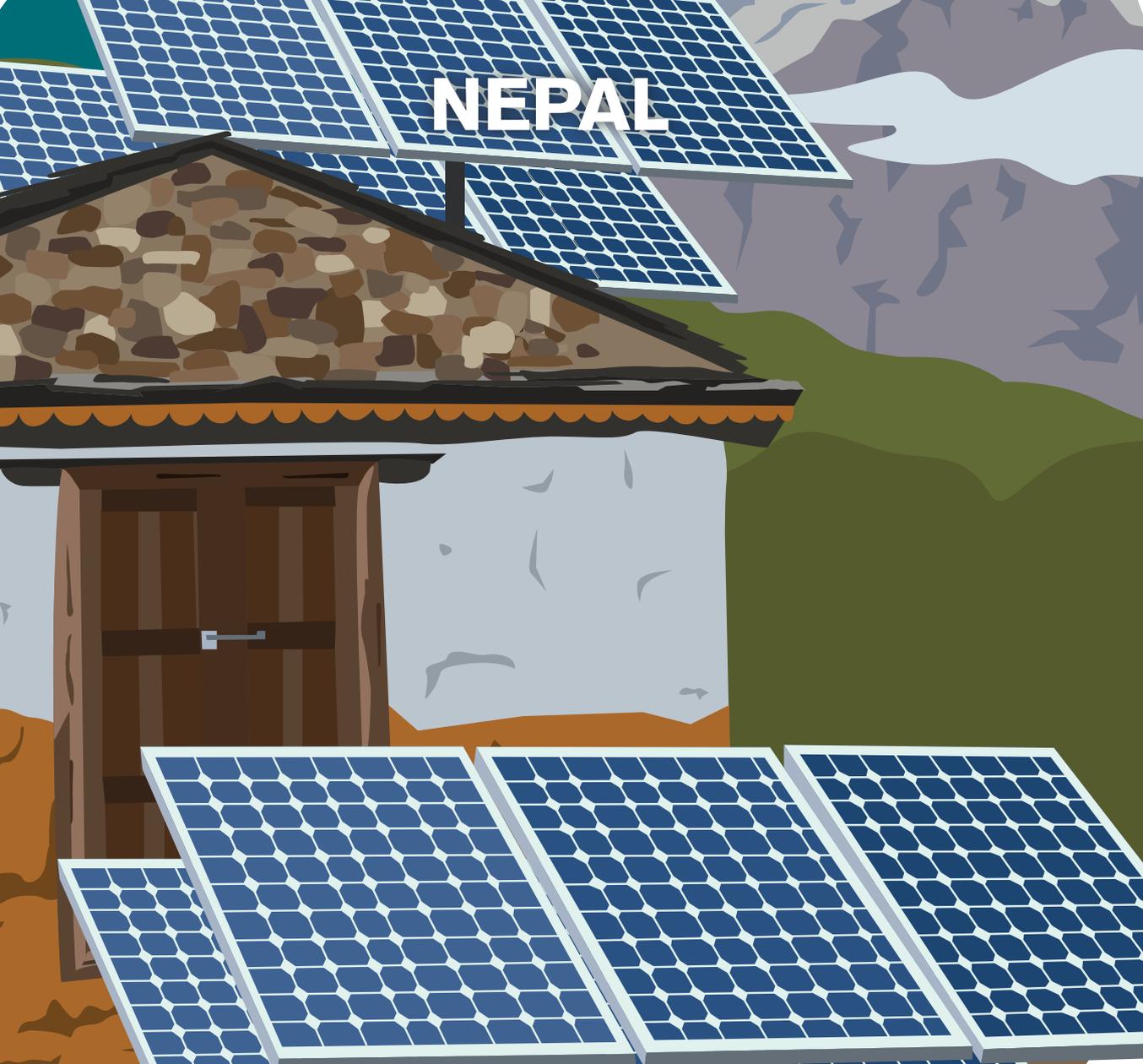
Walton Global Scholars:

Hailey Baker

Logan Dubek

Jennafer Morgan

Eric Trinh



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

COSTA RICA

An illustration of a Costa Rican coffee plantation. In the foreground, a colorful parrot with blue, green, and red feathers is perched on a branch. To its right, a wooden cart filled with coffee beans sits on a path. In the background, there are rolling green hills, palm trees, and a large mountain range under a blue sky with white clouds. A coffee mill is visible in the lower left, with a stream of coffee beans flowing into a sack.

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





