

# ***ADVANCING THE SDGS AT UGA: A GUIDE FOR STUDENT ENGAGEMENT***



**UNIVERSITY OF GEORGIA**

**Sustainable UGA**

# INTRODUCTION

The United Nations Sustainable Development Goals serve as a blueprint to address global challenges in energy, climate, environmental, social, political, and economic systems.

This student guide provides a list of classes, student organizations, and academic units through which UGA students can learn about UN Sustainable Development Goals and actively engage in solutions.

To learn more about sustainability at UGA, visit [sustainability.uga.edu](https://sustainability.uga.edu) and follow @sustainableuga on Instagram.



**UNIVERSITY OF GEORGIA**

Sustainable UGA



## Courses

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- AAEC 4720 (Applied International Development Economics)
- SOWK 5757/5767 Poverty in the United States
- WMST 4170/6170 (Environment, Gender, Race, and Class)

## Certificate Programs

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- International Agriculture Certificate
- Local Food Systems Certificate
- Urban and Metropolitan Studies Certificate

## Key Targets

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- By 2030, eradicate extreme poverty for all people everywhere
- Reduce at least by half the proportion of men, women and children of all ages living in poverty in all its dimensions
- Implement nationally appropriate social protection systems and measures for all

## Student Organizations

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- Asha for Education at UGA
- Habitat for Humanity UGA
- In the Fight at UGA
- Medlife UGA
- Mind Blowers
- Period Project
- The Backpack Project of Athens

## Centers & Institutes

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- Institute for Nonprofit Organizations
- Small Business Development Center
- Georgia Commitment Scholarship Program



## Courses

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- EETH (AESC) 4190/6190 (Agricultural Ethics)
- CRSS 4020/6020S (Social Sustainability in Agriculture)
- ALDR 3820 (Reflections on Fighting Hunger)
- AAEC 4730 (The World Food Economy)
- HORT 4030/6030S (Sustainable Community Food Production)
- WMST3270 The Gendered Politics of Food

## Certificate Programs

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- International Agriculture Certificate
- Local Food Systems Certificate
- Urban and Metropolitan Studies Certificate

## SUSTAINABLE DEVELOPMENT GOAL

# TWO

## ZERO HUNGER

## Key Targets

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- By 2030, end hunger and ensure access by all people
- By 2030, end all forms of malnutrition
- By 2030, ensure sustainable food production systems and implement resilient agricultural practices

## Student Organizations

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- Campus Kitchen
- Farmer's Market Friends
- Food 2 Kids
- The Backpack Project Athens
- UGArden Club

## Centers and Institutes

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- UGA Sustainable Food Systems Initiative
- UGA Center for Food Safety
- Institute for Integrative Precision Agriculture
- Food Products Innovations & Commercialization Center
- Georgia Center for Urban Agriculture
- National Center for Home Food Preservation

## 3 GOOD HEALTH AND WELL-BEING



### Courses

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- EHSC 3060 (Introduction to Environmental Health Science)
- EHASC 4080 (Air Quality)
- DMAN 3200 (Disaster Policy)
- ENVM 4250/6250 (Environmental and Public Health Law)

### Certificate Programs

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- Disaster Management Certificate
- Global Health Certificate
- One Health Certificate
- Public Health Data Fluency Certificate
- Strategic Health and Risk Communication Certificate

### Centers and Institutes

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- [UGA Global Health Institute](#)
- [Center for the Ecology of Infectious Disease](#)
- [Center for Tropical and Emerging Global Diseases](#)
- [Center for Vaccines & Immunology](#)
- [Institute of Human Development and Disability](#)

## SUSTAINABLE DEVELOPMENT GOAL

# THREE

GOOD HEALTH AND WELL-BEING

### Key Targets

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- By 2030, reduce the global maternal mortality ratio to less than 70 per 100,000 live births
- By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being

### Student Organizations

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- Active Minds
- UGA CURE
- Dawgs for Diabetes
- Doctors Without Borders UGA
- Future Health Promoters
- Global Brigades UGA Medical Center
- Global Health Union
- Global Mission Medical Alliance
- Health for Kids
- HEROS
- Miracle
- National Alliance on Mental Illness at UGA
- Partners in Health Engage UGA
- UGA Rally Foundation



## Courses

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- LAND 2300 (Introduction to Sustainability)
- FCID 4200/6200 (Sustainability Seminar)
- FANR 1500 (Fundamentals of Sustainable Development)
- FANR 4271/6271 Field Studies in Sustainable Development

## Certificate Programs

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- Interdisciplinary Sustainability Certificate
- Environmental Education Certificate
- Environmental Ethics Certificate

## SUSTAINABLE DEVELOPMENT GOAL

# FOUR

## QUALITY EDUCATION

## Key Targets

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- By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education
- By 2030, ensure that all girls and boys have access to quality early childhood development, care and pre-primary education

## Student Organizations

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- Asha for Education @ UGA
- Clark County Mentors @ UGA
- EcoReach UGA
- Environmental Education Club
- Inspire UGA
- Latinos Invested in the Students of Tomorrow
- Math Counts
- Mind Blowers
- Thomas Lay Afterschool Program
- Whatever It Takes,

## Centers and Institutes

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- Owens Institute for Behavioral Research
- Center for Latino Achievement and Success
- Center for the Study of Global Issues



## Courses

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- WMST 4250/6250 Women, Gender, and Climate Change Activism
- WMST 4170/6170S (Environment, Gender, Race, and Class)
- INTL 4650 (Women and World Politics)
- INTL 4475 (War and Gender)

## Certificate Programs

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- LGBTQ Studies

## SUSTAINABLE DEVELOPMENT GOAL

# FIVE

## GENDER EQUALITY

## Key Targets

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- End all forms of discrimination against all women and girls everywhere
- Eliminate all forms of violence against all women and girls in the public and private spheres, including trafficking and sexual and other types of exploitation

## Student Organizations

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- Association of Computing Machinery
- Girls in Healthcare
- Girls Who Code
- Marsha Garden at UGA
- Out in Stem
- OUTlaw at UGA
- Pride Alliance
- Society of Women Engineers
- Unite for Reproductive and Gender Equality
- Women in Business
- Women in Economics
- Women in Technology
- Women in Science
- Women in Agriculture
- Women's Health Support and Awareness Project
- Women's Studies Student Organization

## Centers and Institutes

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- Institute for Women's Studies



## Courses

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- ECON 4150 (Environmental Economics)
- ANTH 3150 (Water Worlds)
- EHSC 4400 (Environmental Issues in the Developing World)
- ENVM 4800/6800 (Water Resource Economics and Management)

## Certificate Programs

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- Water Resources Certificate

## SUSTAINABLE DEVELOPMENT GOAL

# SIX

## CLEAN WATER AND SANITATION

## Key Targets

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- By 2030, achieve universal and equitable access to safe and affordable drinking water for all
- By 2030, achieve access to adequate and equitable sanitation and hygiene for all
- By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater

## Student Organizations

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- Thirst Project UGA
- American Water Resources Association

## Centers and Institutes

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- River Basin Center
- Center for Research and Education Wormsloe
- ECOGIG Consortium
- Watershed UGA





## Courses

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- ENVE 4530/6530 (Energy and Environmental Policy Analysis)
- MIST 4550/6550 (Energy Informatics), ENVM 4150 (Energy Economics)
- ENVE 4540 (Economics of Energy and Sustainable Development)
- CSCI 1210 (Computer Modeling for Sustainability)
- ENVE 4230/6230 (Energy in Nature, Civilization, and Engineering)

## Certificate Programs

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- E-mobility Certificate
- Sustainability Certificate

SUSTAINABLE  
DEVELOPMENT GOAL

SEVEN

AFFORDABLE AND CLEAN  
ENERGY

## Key Targets

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- By 2030, ensure universal access to affordable, reliable and modern energy services
- By 2030, increase substantially the share of renewable energy in the global energy mix
- By 2030, double the global rate of improvement in energy efficiency
- By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all

## Student Organizations

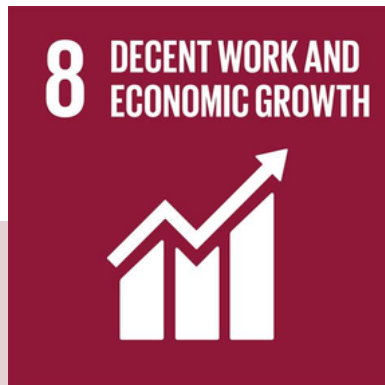
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- Society of Environmental Engineers

## Centers, Institutes, and Laboratories

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- Sustainable Bioproducts and Biofuels Research Laboratory



## Courses

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- ECON 2100 (Economics of Environmental Quality)
- ECON 3100: Introduction to Sustainable Development
- ENVM 3060E (Principles of Resource Economics)
- ENVM 4380 (Environmental Management)
- ENVM 4650/6650 (Environmental Economics)
- ENVM 4660 (Environmental Valuation: Methods and Applications)

## Certificate

### Programs

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- Entrepreneurship Certificate
- Personal and Organizational Leadership Certificate

## SUSTAINABLE DEVELOPMENT GOAL

# EIGHT

## DECENT WORK AND ECONOMIC GROWTH

## Key Targets

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- Achieve higher levels of economic productivity through diversification, technological upgrading and innovation
- Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation

## Student Organizations

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- Multicultural Business Student Association
- Society of Entrepreneurship
- Sustainable Business Society
- Agricultural and Environmental Economics Club

## Centers and Institutes

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- Center for Cyber-Physical Systems
- Carl Vinson Institute of Government
- Selig Center for Economic Growth
- Harley Langdale Jr. Center for Forest Business
- UGA Small Business Development Center

## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



### Courses

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- TXMI 4390 (Studio VI: Advanced Residential Design Method)
- PHIL(EETH) 4250/6250 (Philosophy of Technology)
- LAND 6030 (Nature and Sustainability)
- LAND 6310 (Landscape Ecology: Materials and Processes)
- LAND 4730/6730 (Issues and Practices in Sustainable Design)
- LAND 1500 (Design and the Environment)
- GEOG 4350 (Remote Sensing of Environment)
- GEOG 4460 (Field Methods in Remote Sensing)
- ENGR(LAND) 4660/6600 (Sustainable Business Design)
- ENVE 2610 (Introduction to Environmental Engineering and Sustainability)

### Certificate

#### Programs

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- Geographic Information Science
- Urban and Metropolitan Studies
- Interdisciplinary Sustainability Certificate

## SUSTAINABLE DEVELOPMENT GOAL

# NINE

Industry, Innovation, and Infrastructure

### Key Targets

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- Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being
- Promote inclusive and sustainable industrialization

### Student Organizations

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- American Society of Civil Engineers
- American Society of Mechanical Engineers
- Georgia Students of Landscape Architecture
- Habitat for Humanity
- Parks Recreation, and Tourism Management Society
- Society for Cyber Security

### Centers and Institutes

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- [Institute for Artificial Intelligence](#)
- [Institute for Cybersecurity and Privacy](#)
- [Center for Cyber-Physical Systems](#)
- [Institute for Resilient Infrastructure Systems](#)
- [Housing and Demographic Research Center](#)



## Courses

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- LAND 4440 (Plant Communities of the Cherokee Landscape)
- SOCI(ANTH) 3400 (Environmental Sociology)
- SOWK 2154 (Introduction to Social Work)
- SOWK 2156 (Diversity, Equity, and Inclusion)
- WMST Race, Gender, Glass, and the Environment

## Certificate Programs

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- African Studies Certificate
- Asian Studies Certificate
- British and Irish Studies Certificate
- Disability Studies Certificate
- Global Studies Certificate
- LGBTQ Studies Certificate
- Native American Studies Certificate

# SUSTAINABLE DEVELOPMENT GOAL TEN

## REDUCED INEQUALITIES

## Key Targets

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- By 2030, progressively achieve and sustain income growth of the bottom 40 per cent of the population at a rate higher than the national average
- By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

## Student Organizations

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- Get Outdoors
- SPIA Honor Society of Diversity, Inclusion, and Equity
- Extra Special People
- Georgia DAZE Minority Recruitment Program
- Minorities in Ag, Natural Resources and Related Sciences
- NAACP UGA
- National Association of Black Accountants
- National Association of Black Journalists
- National Association of Minority Landscape Architects
- Native American Student Organization
- Society of Hispanic Professional Engineers
- Special Olympics at UGA

## Centers and Institutes

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- [Latin American and Caribbean Studies Institute](#)
- [Regents Center for Learning Disorders](#)
- [Center for Latino Achievement and Success in Education](#)
- [Pride Center](#)
- [Women's Studies Institute](#)
- [Institute of Human Development and Disability](#)



## Courses

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- RELI 4095/6095 (Christians and Sustainability)
- LAND 4095 (Sustainability in Design)
- GEOG 1125 (Resources, Society, and the Environment)
- ECHD 4015/6015 (Environmental Psychology)
- ANTH 4400/6400 (Green Culture: Environment, Sustainability, and Environmental Awareness)
- EDES 4650/6650 (City Planning)
- ECOL 3370S (Urban Ecology)

## Certificate Programs

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- Environmental Ethics Certificate
- Geographic Information Science Certificate
- Local Food Systems Certificate,
- Plant Health Management Certificate

# SUSTAINABLE DEVELOPMENT GOAL ELEVEN

## SUSTAINABLE CITIES AND COMMUNITIES

## Key Targets

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- By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums
- By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all
- By 2030, reduce the adverse per capita environmental impact of cities

## Student Organizations

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- Bachelor's of Social Work Club
- Habitat for Humanity

## Centers and Institutes

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- Georgia Initiative for Climate and Society
- Georgia Center for Urban Agriculture
- Institute for Resilient Infrastructure Systems
- Housing and Demographic Research Center
- Carl Vinson Institute of Government



## Courses

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- FANR 4271/6271 (Field Studies in Natural Resources)
- HORT 2000 (Horticulture Science Perspectives)
- HORT 3300E (Organic Gardening)
- LAND 4360 (Applied Landscape Ecology)
- TXMI 4260 (Global Sourcing and Logistics of Textile Products and Apparel)
- ANTH 3200 (How the World Works: The Anthropology of Consumption and Globalization)
- ANTH(GEOG) 4275/6275 (Conservation and Development in Costa Rica)
- ENTR 7990 (Corporate Social Responsibility)

## Certificate Programs

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- International Agriculture Certificate
- Local Food Systems Certificate
- Water Resources Certificate

# SUSTAINABLE DEVELOPMENT GOAL TWELVE

## RESPONSIBLE CONSUMPTION AND PRODUCTION

### Key Targets

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- By 2030, achieve the sustainable management and efficient use of natural resources
- By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains

### Student Organizations

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- Bag the Bag
- Campus Kitchen
- Footprint UGA
- Farmers Market Friends
- Fair Fashion
- In the Fight at UGA
- Sustainable Business Society

### Centers and Institutes

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- New Materials Institute
- Georgia Initiative for Climate and Society
- Georgia Center for Urban Agriculture
- Institute of Plant Breeding, Genetics, & Genomics



## Courses

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- PAPD 7200 (Climate and Environmental Policy)
- ECOL 2100 (Global Climate Change: Past, Present, and Future)
- GEOG 3180 (Global Climate Change: Causes and Consequences)
- FANR(MARS) 4272 (Antarctica: The Fragile Continent)

## Certificate Programs

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- Atmospheric Sciences Certificate, Coastal and Oceanographic Engineering Certificate, and Environmental Education Certificate

# SUSTAINABLE DEVELOPMENT GOAL THIRTEEN

## CLIMATE ACTION

## Key Targets

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- Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries
- Integrate climate change measures into national policies, strategies and planning
- Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

## Student Organizations

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- Comate and Society Student Organization
- American Meteorological Association
- Environmental Law
- Footprint UGA
- Bird Banding Cooperative
- Society of Environmental Engineers

## Centers and Institutes

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- [Center for Integrative Conservation Research](#)
- [Joseph W. Jones Ecological Research Center](#)
- [Mary Kahrs Warnell Forest Education Center](#)
- [Centers for Invasive Species and Ecosystem Health](#)
- [USGS Patuxent Wildlife Research Center](#)



## Courses

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- GEOG 4020 (Fluvial Geomorphology)
- ECOL 3530 (Conservation Biology)
- ECOL 3910 (Ecology Seminar)

## Certificate Programs

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- Coastal and Oceanographic Engineering Certificate
- Environmental Education Certificate
- Environmental Education Certificate
- One Health Certificate

## SUSTAINABLE DEVELOPMENT GOAL

# FOURTEEN

## LIFE BELOW WATER

## Key Targets

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- By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities
- By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts

## Student Organizations

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- American Fisheries Society at UGA
- Conservation Society (Odum School of Ecology)
- Ocean Initiative
- Parks, Recreation, and Tourism Management Society
- Speak Out for Species
- Wildlife Society

## Centers and Institutes

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- [River Basin Center](#)
- [Savannah River Ecology Laboratory](#)
- [Skidway Institute of Oceanography](#)
- [UGA Marine Institute](#)
- [Marine Extension and Georgia Sea Grant](#)
- [Cohutta Fisheries Center](#)
- [USGS Patuxent Wildlife Research Center](#)





## Courses

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- ECOL 6080 (Principles of Conservation Ecology and Sustainable Development)
- ANTH 4010/6010 (Historical Ecology)
- BIOL(FANR) 3460H (Natural History of the South Pacific)
- CRSS(FANR) 3060 (Soils and Hydrology)
- ECOL 1000 (Ecological Basis of Environmental Issues)
- ECOL 3520 (Applied Field Ecology)
- FANR 1100 (Natural Resource Conservation)

## Certificate

### Programs

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- Agribusiness Law Certificate
- Environmental Education Certificate
- Environmental Ethics Certificate
- International Agriculture Certificate
- One Health Certificate
- Plant Health Certificate

# SUSTAINABLE DEVELOPMENT GOAL FIFTEEN

## LIFE ON LAND

## Key Targets

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- Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species
- By 2020, promote the implementation of sustainable management of all types of forests

## Student Organizations

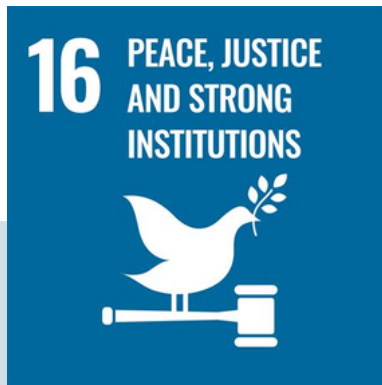
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- Ecoreach
- Bug Bites
- Conservation Society (Odum School of Ecology)
- Environmental Law
- Herpetological Society
- Parks, Recreation, and Tourism Management Society
- UGarden Club
- Speak Out for All Species
- Wildlife Society

## Centers and Institutes

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- Center for Integrative Conservation Research
- Faculty of Infectious Diseases
- Centers for Invasive Species and Ecosystem Health
- Animal Health and Research Center



## Courses

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- ANTH 8050/8525 (Environmental Governance)
- ANTH 8515 (Institutional Dimensions of Sustainability)
- INTL 4610 (Environmental Politics)
- ENVM 4930/6930E (Environmental Law and Governmental Regulation)
- FANR(ECOL) 4810/6810 (Natural Resource Law)
- ANTH 4242/6242 (Culture and Tourism in Bali)
- ANTH (ECOL) (FANR) (SOCI) 4846 (Environmental Governance)

## Certificate Programs

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- Digital Humanities
- Global Studies
- Leadership and Service
- Nonprofit Management and Leadership
- Public Affairs Professional Certificate
- Strategic Health and Risk Communication Certificate

## Key Targets

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- Significantly reduce all forms of violence and related death rates everywhere
- End abuse, exploitation, trafficking and all forms of violence against and torture of children
- Promote the rule of law at the national and international levels and ensure equal access to justice for all

## Student Organizations

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- American Constitution Society at UGA
- Bachelor of Social Work Club
- Breaking the Shackles UGA
- Common Ground
- Democracy Matters UGA
- Fair Fight U- UGA Chapter
- Loch Johnson Society
- Model UN
- Model African Union
- Refugee Outreach at UGA
- Roosevelt
- Public Interest Law Council
- Undocumented Student Alliance
- Street Law

## Centers and Institutes

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- Center for International Trade & Security
- Center for the Study of Global Issues
- Institute for Journalism, Innovation, Management, and Leadership
- Carl Vinson Institute of Government



## Courses

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- INTB 5100 (Comparative Analysis of International Environmental Law)
- AESC 2050 (Effects of Global Agriculture on World Culture)
- PHIL(EETH) 4220/6220 (Environmental Ethics)
- ANTH 8540 (Conservation and Community)
- LAND 6040 (Community and Place)

## Certificate Programs

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- Interdisciplinary Sustainability Certificate
- Global Health
- Global Studies
- Leadership and Service
- Nonprofit Management and Leadership
- Public Health and Risk Communication

# SUSTAINABLE DEVELOPMENT GOAL SEVENTEEN

PARTNERSHIP FOR THE GOALS

## Key Targets

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- Mobilize additional financial resources for developing countries from multiple sources
- Assist developing countries in attaining long-term debt sustainability through coordinated policies aimed at fostering debt financing, debt relief and debt restructuring
- Adopt and implement investment promotion regimes for least developed countries

## Student Organizations

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- Chi Zeta Service Society
- Circle K @ UGA
- Data for Good
- Footprint UGA
- Gamma Sigma Sigma
- Hispanic Law Student Association
- IMPACT Service Breaks
- In the Fight at UGA
- Paw Print Agency
- Serve UGA, Service Squad
- SOUL
- Refugee Outreach at UGA
- Terry Student Researchers
- UNICEF
- Young Nonprofit Professionals

## Centers and Institutes

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- Center for International Trade and Security
- Carl Vinson Institute of Government
- Institute for Nonprofit Organizations