

GVI Online

# Course syllabus

Climate Crisis and Sustainability



# Climate Crisis and Sustainability

## | Syllabus

The Climate Crisis and Sustainability course will provide you with the fundamentals of environmental sustainability, you'll learn what it is and why we need it. You'll also be able to more thoughtfully pursue a career in sustainability management.

Modules		Lessons	Learning objectives
1.	The Earth System	<ul style="list-style-type: none"> <li>Defining the "Environment"</li> <li>The Earth System - Four Components</li> <li>Planetary Boundaries</li> <li>Are Humans Biodiversity?</li> <li>Ecosystem Services</li> </ul>	<ul style="list-style-type: none"> <li>Explain the components of the Earth System and identify dependencies among them</li> <li>Define the environment in your own terms</li> <li>Discuss the importance of the natural environment for humans and society</li> </ul>
2.	Environmental Problems	<ul style="list-style-type: none"> <li>Natural Climate Solutions</li> <li>Introduction to Climate Change</li> <li>Modeling Planetary Boundaries</li> <li>Making a Case for Environmental Sustainability</li> </ul>	<ul style="list-style-type: none"> <li>Identify a suite of environmental problems</li> <li>Explain climate change and how it relates to the environment and humans</li> <li>Discuss how the environment change affect our lives</li> </ul>
3.	Sustainable Development and the Environment	<ul style="list-style-type: none"> <li>In Praise of Sustainability</li> <li>Environment and Health</li> <li>Beyond the Anthropocene</li> <li>The SDGs and Your Local Environment</li> <li>MDG 7 and What Is Environmental Sustainability</li> </ul>	<ul style="list-style-type: none"> <li>Explain the concepts of environmental and climate change sustainability</li> <li>Link the concepts of environmental sustainability and climate change to the UN SDGs</li> <li>Explain the environmental, social, and political aspects of sustainability</li> </ul>

			<ul style="list-style-type: none"> <li>Identify how sustainability can be practices in peoples' lives</li> </ul>	
4.	Approaches to Environmental Sustainability	<ul style="list-style-type: none"> <li>Triple Bottom Line</li> <li>Sustainability in Forestry Businesses</li> <li>Climate Smart Cocoa</li> <li>Global Green Growth</li> <li>Nature-Based Solutions in the Urban Setting</li> <li>The Business-Case for Sustainability</li> </ul>	<ul style="list-style-type: none"> <li>Identify a range of tools and processes used in environmental sustainability</li> <li>Explain how sustainability initiatives are measured for success</li> <li>Examine sustainability reporting by companies</li> </ul>	
5.	Making Change for Our Planet's Future	<ul style="list-style-type: none"> <li>Individuals Can't Solve the Climate Crisis</li> <li>Circular Economy</li> <li>The Uprising of Youth Climate Action</li> <li>Black Lives Matter and Environmental Justice</li> </ul>	<ul style="list-style-type: none"> <li>Identify new areas in sustainability that are guiding government and business</li> <li>Identify career options in the sustainability field</li> </ul>	

## Distribution of learning effort

- Course total: 10 - 15 hours, self-paced.
- Per module: Average of 2 hours for videos, reading material, quizzes and engagement in the discussion forum.
- Final quiz-based assignment: Up to 1.5 hours to complete.

## Your responsibility

You are expected to:

- complete your profile on Canvas with some background information on your areas of interest, work experience and/or educational qualifications and upload a profile picture
- master a series of modules that consist of readings, videos, presentations and notes
- undertake self-assessment quizzes at the end of each module to enhance your overall understanding of the content
- make at least one significant contribution to the discussion forum in each module (we define significant as something that adds a new perspective, provides input on resources and networks. or ask questions)
- complete the quiz-based course assignment at the end of the course

# Assessments

- You will only be graded on the final course assignment. This is a summative assessment that integrates learning from all the modules.
- You are required to participate in pre- and post-course surveys and contribute to the discussion forums.
- You will not be graded on the self-assessment quizzes at the end of each module. These are formative assessments.

# Grading

- You will need to achieve a grade of 75% or higher on your final course assignment to pass the course and receive a certificate of completion.