CLIMATE CHANGE, WHAT TO DO? HOW TO FIX IT?
COURSE LEADER: Jonathan Ormes, Ph.D.
THURS 10:00-12:00 AM 9/29-11/17
Syllabus

Dr. Jonathan Ormes is a Physics Research Professor at DU where he teaches a class on the *Physics of Climate*. He is a former Director of Space Sciences at NASA's Goddard Space Flight Center.

Floods everywhere! You know the problem. We caused it and we must fix it. This revised and updated class will present the science and causes of climate change and explore remedies and adaptations at commercial, societal and individual levels.

How did we get here? How can we stop making it worse?
	What can our cities, counties and states do?
	What new laws are needed?
	How can we be fair to all as the changes are made?

Sept 29: Climate change: How we got where we are.
Review and overview of climate change: causes, prospects, issues, etc.

Oct 6: Snapshot: Where we are today.
The political climate, international agreements, cost of using carbon, Tragedy of the Commons, what is going on around the world, topics of the day, etc.

Oct 13: Guest speaker Gary Wyngarden
Wyngarden will discuss economic impacts of climate change and conversion to renewables. He will help us imagine ourselves as corporate executives planning on how to face the coming transition to renewable energy sources.

Oct 20: Guest speaker Prof. Alec Tsoucatos
Steady State Economic Plan: how we could transform our economy to a sustainable state.

Oct 27: Take a field trip to the National Ice Core Laboratory in Golden (warm coat, hat and gloves required) and learn about ice ages and the paleoclimate.

Nov. 3: Guest speaker Milt Hetrick
Making a personal plan: Learn how to make your home carbon neutral, told by someone who did it.

Nov 10: Guest Speaker Prof. Michael King
See how Earth's climate is observed is seen from space as told by a world renowned expert: Dr. King is a CU professor and a member of the National Academy of Engineering and.

Nov. 17: What to do on a National Scale
New technologies, experiments and success stories.

Have a Happy Holiday Season