

COURSE SYLLABUS
Land use and climate change (UAP 5424)

Summer 2008

Course information Friday, July 18 th (5 PM to 9 PM) Saturday, July 19 th (9 AM to 5 PM)	Contact information Dr. Chris Pyke Email: cpyke@ctgenergetics.com Phone: 202-731-0801
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This 1-credit course will introduce students to the science and practice linking land use and climate change. Decisions about land use are directly associated with over 70% of US greenhouse gas emissions and play a central role in determining vulnerability to changing climatic conditions. This places planners, developers, and land use decision makers on the frontlines of addressing climate change. California, Massachusetts, and Washington State have already begun to make climate an important feature of land use planning and entitlement, and consideration for greenhouse gas emissions is literally changing the basis for development in many areas. This course will consider:

- Relationships between climate change and land use with respect to greenhouse gas emissions and vulnerability
- Action by state and local government
- Action by private land developers
- Strategies for creating low-carbon communities
- Implications for the Washington Metropolitan Region and the Mid-Atlantic

Friday's session will start with a "tour" of land use planning and development scenarios for 2020. We will consider what will need to happen if society is going to achieve 20% or even 50% reductions in greenhouse gas emissions. We will identify some of the choices that differentiate scenarios. After this tour, we will review the foundation of scientific information needed to understand connections between land use and climate change.

Saturday's session will split between two perspectives. The morning will focus on government perspectives, including implications for general plans and policies. The afternoon will emphasize private actions, including developers and real estate portfolio managers.