“Transportation Networks and VMT Reduction Strategies on the University of Hawaii at Manoa Campus”

PLAN 751: Practicum
TTH 1:30-4:15pm
Spring 2013

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Class Description: This Practicum is offered to assist the University of Hawaii’s Transportation Demand Management (TDM), Commuter Services Office to propose and implement transformative Vehicle Miles Traveled reduction mechanisms on the Manoa campus.

Students will work with the TDM Coordinator to develop strategies to better develop and implement UH’s TDM plan, for example, as it relates to:

• Fostering multi-modal transportation networks (such as bicycle networks and car sharing programs);
• Assessing best practices in regards to commuter parking (for example, how to manage the “doughnut effect” in Manoa?); and
• Assessing City & State policies that impede UH transportation planning efforts as well as propose alternative policy mechanisms.

The objective for this practicum is to catalyze VMT reduction on the Manoa campus as well as support larger Hawaii Clean Energy Initiative goals in regards to statewide VMT reduction.

Student Learning Objective: Students will gain the ability to work with a client in a teamwork setting. Students will gain both business and research-related skills, from creating a Scope of Work to designing a research methodology. Emphasis is placed on strong analytical and writing skills, where collaborative research and writing is a skill gained in this practicum.
Tentative Class Schedule:

January 8: Overview of State of Energy Efficiency in Transportation in Hawaii

January 10: Introduction to Transportation Demand Management on UH Campus

Readings: Nelson Nygaard Study.

TBD

January 15: Break into Teams and Create a Scope of Work

January 17: Research Design

January 24: Detailed Outline DUE

April 11: Draft Report(s) DUE

May 7: Final Report(s) DUE

Final Reports will be submitted to Crystal Atkins, UHM Transportation Management Office.