AE /Arch 497H: Sustainable Housing Solutions: 2005
A Service Learning Course
Location: Northern Cheyenne Indian Reservation, Montana

Course Enrollment Application

Name

Enrollment Status (circle) Fr. So. Jr. Sr Gr Major

Email

Interests / Skills

___ Architecture ___ Community Development
___ Building Construction ___ Art / Design
___ Landscape Architecture ___ Communications / Film
___ Writing ___ Green Design / Sustainability
___ Teaching ___ Web Development
___ American Indian Culture ___ Other

Please Attach:
1. Personal statement of interest (300-400 words) describing your interest and how you see this course contributing to your academic and professional career
2. Current Resume
3. Current Unofficial Transcript

Important Information:

Meeting Time: Wed. 6:00-8:00pm Spring and Fall Semesters 2005
Required Summer Practicum: Lame Deer, Montana: June 26 - July 10, 2005

Course Credit
Course credit will be distributed as follows: Spring ’05 (2 credits) Summer ’05 (0 credits) Fall ’05 (2 credits). The Fall semester component is required, with exceptions made in the case of study abroad programs or graduation – in which case alternative arrangements can be made. This course is currently in its third offering. Contact your advisor about the opportunities to count this course as a general education elective.

Program Requirements
This course and project will require your commitment to work on a team, and to complete various challenging lab and field exercises. The on-site experience may involve strenuous activity, and possibly harsh weather conditions. You will be required to supply your own tool belt, and camping gear.

Course Fee
A course fee of $400 is required for enrollment in this course. This fee covers basic accommodations in Montana, on-site transportation, and meals while on site. Fundraising and sponsorship opportunities are available. Funds raised benefit the Northern Cheyenne Community, and may also be used to defray travel expenses to Montana.

Return this application by Nov. 19, 2004 to: David Riley;
104 Engineering Unit A

Additional Information: www.engr.psu.edu/greenbuild
Description: This 3-part course will explore how sustainable building methods including strawbale construction can be utilized to improve the poor living conditions common on American Indian reservations. Part 1 (Spring '05): Students explore the physical and cultural environment in which a strawbale home will be designed and constructed. Part 2 (Summer '05): Spend two weeks on location in Montana assisting with the construction of a strawbale structure. Part 3 (Fall '05): Make recommendations for future research on housing programs for American Indian tribes in the Northern Plains.

Opportunities:
- Learn about the true history of American Indian tribes and experience first hand the culture and conditions on reservations.
- Help prepare and lead the construction of a sustainable building on the Northern Cheyenne reservation, Montana
- Help make a difference in some of the most disadvantaged communities in the U.S.

On-Site Experience: “Outward-bound meets Habitat for Humanity”
- Live, eat, and sleep in the beauty and splendor of the Western Plains
- Work side by side with an Indian community in a “barn-raising” style construction process
- Attend workshops and presentations on sustainable building methods and American Indian culture

Enrollment: All students may apply. Enrollment will be limited. Applications are available in the Schreyer Honors College Office, or in 104 Engineering Unit A

Sponsors:
Leonhard Center
Schreyer Honors College
Hamer Center for Community Design
Bowers Program
National Science Foundation
The Rock Ethics Institute
Penn State Alumni Association
Schreyer Institute

Information – AE - Professor David Riley
driley@engr.psu.edu
Arch - Professor Scott Wing
sww10@psu.edu
http://www.engr.psu.edu/greenbuild