

NNMC'S Adobe Construction Department Presents:

ADOBE 107: “Passive Solar Adobe”

Learn the basics of designing and constructing a low-energy passive solar adobe home.

An 8-week **WEB CT Internet Course** presented through the college's distance education system. You need only **basic e-mail and internet skills** to participate.

Topics covered:

- two weeks of audio lectures with Quentin Wilson, a passive solar adobe specialist
- a brief history of passive solar heating
- an intro to the 3 major passive systems – direct gain, Trombe wall and greenhouse systems
- information on site planning and layout for optimum solar gain
- info on system sizing and glazing needed
- info on thermal storage of heat using adobe
- info on passive cooling
- info on backup heating practices
- info on key insulation techniques
- info on heat gain and loss calculations
- info on floor plan design and modeling
- much, much more!

Instructor: Kurt Gardella

Dates: e-mail me at kurtgardella@googlemail.com

Credits: 2 college credits (you may also audit this course)

Price: \$38 per credit for NM residents, \$100 per credit for non-NM residents. Some discounts are available for residents of **Alaska , Arizona , California , Colorado , Hawaii , Idaho , Montana , Nevada , North Dakota , Oregon , South Dakota , Utah , Washington and Wyoming** .Please inquire. Some additional fees may apply.

Information/Registration:

kurtgardella@googlemail.com

www.kurtgardella.com/earthbuilding

Adobe construction taught via the internet? How is that possible?

The basic technical aspects of adobe construction are presented via the internet through reading and listening assignments as well as interaction with the instructor and other students via e-mail and an on-line discussion group. You complete the hands-on projects on your own using step-by-step instructions given to you by the instructor.

NNMC offers an **Adobe Construction Certificate** as well as an **Associates Degree in Southwest Construction**. Live classes are held in and around **El Rito, New Mexico** and are usually offered in 2 or 4 week blocks with some 1-week intensive classes meeting in the summer.