Prerequisites:
• A smaller building from a previous design studio, appropriate for cooling calculations and design changes;
• ECS I and II or its equivalent;
• Proficiency in the mathematics involved in heat gain calculations.

Please do not register for this seminar without these prerequisites!

PASSIVE COOLING SEMINAR
ARCH 410/510
FALL 2017
CRN 10489 / 10564

Prof. John Reynolds, 541-344-9440
jreyn@uoregon.edu
[office 1479 Moss, appointment only ]

Individual meetings with students will be in the A&AA Hearth.

8:30-9:50 AM, TU/ TH, RM 206
Seminar is limited to 20 students

4 Credit Hours, P/N or Graded

Final Project Due at Final Exam
Tuesday December 5, 8:00 AM

TEXTBOOK: 12th edition, Mechanical and Electrical Equipment for Buildings REQUIRED.

Course documents will be available on Canvas.

Our primary focus is on the thermal performance and design impacts of passive solar cooling strategies.

Your term project will investigate a building that you have designed previously. You will calculate its heat gain and sizing for several cooling strategies. You will then identify design changes suggested by these calculations.