I. Description of Course:

1. Department/Course: ENVS - 211A
2. Title: Selected Topic: Energy Efficiency for Real Estate
3. Cross Reference:
4. Units: 1
   Lec Hrs: 1
   Lab Hrs: 
   Tot Hrs: 18.00
5. Repeatability: No
6. Grade Options: Grade Only (GR)
7. Degree/Applicability: Credit, Not Degree Applicable (C)
8. General Education:
9. Field Trips: Not Required
10. Requisites:
11. Catalog Description:
   The Energy Efficiency for Real Estate course offering provides realtors, mortgage professionals, appraisers, and sustainability officials with the details of energy efficiency in California and how to leverage this program.
12. Class Schedule Description:
   This class will include the fundamentals of energy efficiency in existing homes.
13. Counselor Information:
   Best for professionals in real estate, mortgage services, or appraisal services. Eligible for WIA incumbent, dislocated or unemployed worker.

II. Student Learning Outcomes
The student will:

1. Discuss energy efficiency.
2. Describe energy efficiency as applied to building principles.
3. Review the history of energy legislation and applicability to California.
4. Discuss how to apply energy upgrade steps and rebates.
5. Investigate financing options available to California residents.
6. Discuss national ARRA funding, Energy California and financial clearing houses.
7. Discuss future trends in real estate market transition and opportunities.

III. Course Outline:

A. What is energy efficiency?
   1. Building science principles
   2. Benefits
   3. Government incentives and market opportunity
   4. Home performance contracting
   5. Common energy conservation measures
   6. Commercial retro projects
B. Energy Upgrade California Program
1. Legislative history
2. Statewide organizations
3. Energy upgrade steps and rebates
4. Promotional activities
5. Sustainable business practices past the rebates

C. Financing Options for Energy Upgrades and Renewables
   1. Finding your best financing option

D. Financing Overview
   1. Unsecured financing
   2. Utility financing
   3. Community development financing instruments (CDFI)

E. Building Science in Real Estate
   1. Building Science review
   2. National programs ARRA funding
   3. Energy upgrade California

F. Real Estate Opportunities
   1. Future trends in market transition
   2. Real estate opportunities

IV. Course Assignments:
   A. Reading Assignments
      1. Energy Efficiency readings
      2. 30 Simple Things: PGE
   B. Projects, Activities, and other Assignments
      1. LBNL report
      2. Discussion groups:
         3. Conventional refinancing, FHA 203K renovation, FHA PowerSaver Pilot Program,
            FHA Title One, HELOCs, HomeStar Renovation, CRMs, Contractor Realtor
            Mortgage PODS
   C. Writing Assignments
      1. Client announcement on Energy Update California

V. Methods of Evaluation:
   A. Final Exam
   B. Class discussion

VI. Methods of Instruction:
   A. Lecture
   B. Demonstration
   C. Audiovisual
   D. Other
      1. after we can make sure this is a viable course, we would like to make this a hybrid
         course
   E. Web-enhanced

VII. Textbooks:
    Recommended
    Supplemental
VIII. Supplies:

CID 4073