



# MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

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*Formerly University of Missouri-Rolla*

Agenda  
Campus Curricula Committee Meeting  
October 5, 2011  
12 a.m. Room 117 Fulton Hall

This is an addendum to the October 5, 2011 agenda. The following form was reviewed at the September Curricula Committee meeting but was returned to the department because of not being taught twice. The course was taught twice but under IDE 301.

The committee will also be discussing the policy on skipping the EC stage and also on co-listing procedures.

Effective Year: <sup>2012</sup> ~~2011~~  
Term: Summer  Fall  Spring

CC File # 8156-2011-ArchE-372-16

# Course Change Form (CC)

This form is for creating or modifying permanent courses.

## Course Changes (Check all changes.)

New Course  Course Deletion  Credit Hours  Prerequisites   
Course Title  Catalog Description  Course Number  Co-listing

## Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

- 1. Department: Civil, Arch, and Environmental
- 2. Discipline and Course Number: Present: \_\_\_\_\_ Proposed: ArchE 372
- 3. Course Title: Present: Renewable Power Systems  
Proposed: \_\_\_\_\_

Abbreviated Course Title: Renew Pwr Syst  
(24 Spaces or Less. Only needed for New Courses or Title Changes.)

## 4. Catalog Description (300 Character Spaces or Less.)

Present: The fundamental equations for modeling renewable power systems capable of producing electric and thermal energy are developed and discussed. Models will be used to design, fabricate and test renewable residential power systems.

Proposed: \_\_\_\_\_

## 5. If course requires field trip check box:

|                  |           |            |        |          |
|------------------|-----------|------------|--------|----------|
| 6. Credit Hours: | Present:  | Lecture: 2 | Lab: 1 | Total: 3 |
|                  | Proposed: | Lecture:   | Lab:   | Total:   |

## 7. Prerequisites: Present:

Proposed: Senior standing and consent of instructor, or ME 227, or CE 242

## 8. Required for Majors: Elective for Majors: (Taught as IDE 301)

9. Justification: Renewable power systems is a topic of national importance. The 301 course offerings had 10-12 students each time they were offered. The course will serve as an important technical elective for Architectural Engineering students. It has a broad focus, including solar, wind and geothermal applications.

10. Semesters previously offered as an experimental course (101, 201, 301, 401): SP 2008, SP 2009

## 11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

- 1)
- 2)
- 3)
- 4)
- 5)

Recommended by Department: [Signature]  
(Chair signature)

Date: 4/20/11

Recommended by Discipline Specific Curricula Committee: [Signature]  
(Chair signature)

Date: 7/18/11

Approved by Curricula Committee: \_\_\_\_\_  
(Chair signature)

Date: \_\_\_\_\_

Approved by Faculty Senate: \_\_\_\_\_  
(Chair signature)

Date: \_\_\_\_\_