

# Academic Policies and Procedures Committees

## PROPOSAL FORM -- Part A

Graduate AP&P  Undergraduate AP&P  Both (Dual-Listed Courses) Submit simultaneously	Department/Program Proposal # _____  Proposed Effective Date: FALL (year) _____
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College/Unit \_\_\_\_\_ Assoc. Dean \_\_\_\_\_ Proposer(s) \_\_\_\_\_

Department/Program \_\_\_\_\_ Chair \_\_\_\_\_

1. I want to: \_\_\_\_\_ Briefly describe the action(s) requested:

2. Rationale for this request:

3. a. List the current catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

b. List the proposed catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

c. Other REQUIRED attachments: see **General Instructions**

AP&P PROPOSAL FORM -- Part A (continued)

4. List the committees, councils, and other groups that have considered this proposal; the action taken; and the date that action was taken.

Area	Action			Date of Action m/d/yyyy
	approved	not approved	not applicable	
Department/Program Faculty (undergraduate)				
Department Graduate Faculty (graduate)				
College Council(s)				
General Education Council				
Council on Professional Education				
Honors Council				
Undergraduate Academic Policies & Procedures Committee				
Graduate Academic Policies & Procedures Committee				

5. Contact the Registrar's Office and (for graduate proposals) Graduate School.

Area	Person Contacted	Review Comments	Date of Comments m/d/yyyy
Registrar's Office			
Graduate School			

6. a. Please search the current online bulletin for courses and programs of study affected by this proposed change, including any in your own department. List each course and program in the appropriate table below or, if applicable, choose none. Attach a separate spreadsheet if necessary. (Click here for instructions on searching Online Bulletin.)

None	Course(s) Affected (number & title)

None	Program(s) Of Study Affected (program code & title)

b. List all affected department chairs/program directors (including those from 6a as well as those whose programs may be impacted in ways other than listed above) who have been consulted in the development of this proposal and their response in support or opposition to the proposal. Use of another unit's course requires approval from that unit.

Name	Department/Program	Response	Date of Response m/d/yyyy

7. If changing a course number or adding a course, is the proposed course equivalent to an existing course in Banner?  
 yes \_\_\_ no \_\_\_ n/a \_\_\_ (If yes, list the existing and proposed equivalent course below)

Existing Course		Proposed Course	
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8. Is this a General Education course? yes \_\_\_ no \_\_\_ n/a \_\_\_ (If requesting new general education credit, submit Part C of the AP&P form with an attached syllabus to the Office of General Education)

9. App State Online:

- a. Does this proposal affect a course or requirement of a distance education program? yes \_\_\_ no \_\_\_ If yes, has App State Online been consulted? yes \_\_\_ no \_\_\_ If yes, list the date(s), App State Online contact person, and their response in support or opposition to this proposal:

- b. Mode of delivery: fully online \_\_\_ site-based \_\_\_  
 If you are not sure, contact App State Online.

## *Current Descriptions*

### TEC 4633 - Photovoltaics II (3)

When Offered: Fall; Spring.

Battery-based photovoltaic (PV) systems are used in a wide variety of applications including off-grid homes, small standalone lighting systems, back-up power systems at remote telecommunications sites, village micro-grid systems, and PV powered RVs and boats. This course focuses on components utilized in battery-based systems, including PV panels/arrays, batteries, charge controllers, generators, inverters, and inverter/chargers; and examines how they are integrated and configured for different applications. This design-based course focuses on detailed system sizing calculations, equipment selection criteria, and strategies for all types of battery-based PV systems. Lecture two hours, laboratory two hours.

Prerequisite: TEC 3609.

[Dual-listed with TEC 5633.] Dual-listed courses require senior standing.

### TEC 5633 - Photovoltaics II (3)

When Offered: Fall, Spring

Battery-based photovoltaic (PV) systems are used in a wide variety of applications including off-grid homes, small stand-alone lighting systems, back-up power systems at remote telecommunications sites, village micro-grid systems, and PV-powered RVs and boats. This course focuses on components utilized in battery-based systems, including PV panels/arrays, batteries, charge controllers, generators, inverters, and inverter/chargers; and examines how they are integrated and configured for different applications. This design-based course focuses on detailed system sizing calculations, equipment selection criteria, and strategies for all types of battery-based PV systems. Content mastery and applied practice at the graduate level is expected. Lecture two hours, laboratory two hours.

[Dual-listed with TEC 4633.]

## *Proposed Descriptions*

### **TEC 4633 - Battery-Based PV Systems (3)**

When Offered: Fall; Spring.

Battery-based photovoltaic (PV) systems are used in a wide variety of applications including off-grid homes, small standalone lighting systems, back-up power systems at remote telecommunications sites, village micro-grid systems, and PV powered RVs and boats. This course focuses on components utilized in battery-based systems, including PV panels/arrays, batteries, charge controllers, generators, inverters, and inverter/chargers; and examines how they are integrated and configured for different applications. This design-based course focuses on detailed system sizing calculations, equipment selection criteria, and strategies for all types of battery-based PV systems. Lecture two hours, laboratory two hours.

Prerequisite: TEC 3609.

[Dual-listed with TEC 5633.] Dual-listed courses require senior standing.

### **TEC 5633 - Battery-Based PV Systems (3)**

When Offered: Fall, Spring

Battery-based photovoltaic (PV) systems are used in a wide variety of applications including off-grid homes, small stand-alone lighting systems, back-up power systems at remote telecommunications sites, village micro-grid systems, and PV-powered RVs and boats. This course focuses on components utilized in battery-based systems, including PV panels/arrays, batteries, charge controllers, generators, inverters, and inverter/chargers; and examines how they are integrated and configured for different applications. This design-based course focuses on detailed system sizing calculations, equipment selection criteria, and strategies for all types of battery-based PV systems. Content mastery and applied practice at the graduate level is expected.

Lecture two hours, laboratory two hours. [Dual-listed with TEC 4633.]