This proposal presents several revisions to EE 4384 Control of Electric Power. The update in course title and description is to reflect modern terminology and trends in the field of power systems and highlight a change to a system-level focus in the course. The original title and description focused primarily on the device-level control in power systems.

The change in pre-requisites is to replace EE 4387 with (EE 2351 and EE 2372) OR department approval. This will remove unnecessary barriers for students to take this course while ensuring they have the necessary background to handle this course.
CURRICULUM CHANGE PROPOSAL

APPROVAL PAGE

Proposal Title: Course Revisions - EE 4384 Control of Electric Power

College: College of Engineering          Department: Electrical and Computer Engineering

DEPARTMENT CHAIR

I have read the enclosed proposal and approve this proposal on behalf of the department.

_____________________________  _______________________________
Signature                  Date

March 14, 2021

COLLEGE CURRICULUM COMMITTEE CHAIR

I have read the enclosed documents and approve the proposal on behalf of the college curriculum committee.

_____________________________  _______________________________
Signature                  Date

COLLEGE DEAN

I have read the enclosed documents and approve the proposal on behalf of the college. I certify that the necessary funds will be allocated by the college in support of this proposal.

_____________________________  _______________________________
Signature                  Date

March 14, 2021
Dear Julie,

Please find the UG Proposals that have been approved by our college (excluding the BSCS/MBA, BSISE/MBA that were sent to COBA).

Let us know when they will be discussed by the UGCC.

Have a great week,

Virginia

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From: Nava, Patricia A.
Sent: Friday, March 19, 2021 7:27 PM
To: Love, Norman D <ndlove@utep.edu>
Cc: Granda, Virginia D <granda@utep.edu>
Subject: RE: UG Proposals Approved by COECC on March 19, 2021

Dear Dr. Love,

I have reviewed, and I approve.
Dear Dr. Nava,

I approve of these proposals.

I’m forwarding to you for your review.

Regards,

Norman
From: "Granda, Virginia D" <granda@utep.edu>
Date: Friday, March 19, 2021 at 4:02 PM
To: Norman Love <ndlove@utep.edu>
Subject: FW: UG Proposals Approved by COECC on March 19, 2021

Good afternoon Dr. Love,

Please find attached the UG proposals that were approved by our COECC and its chair.

Can you please reply letting me know if you approve them?

If you would, can you please forward them to the Dean for her approval?

Best Regards,

Virginia

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From: Everett, Louis
Sent: Friday, March 19, 2021 3:01 PM
To: Granda, Virginia D <granda@utep.edu>
Subject: RE: UG Proposals Approved by COECC on March 19, 2021

Yes I approve all these.
Good afternoon Dr. Everett,

Attached are the UG proposals that were approved by our COECC today.

Please reply if you approve these proposals as the COECC chair.

Best Regards,

Virginia

Virginia Granda-Becker
Coordinator for Academic Affairs and Undergraduate Studies
College of Engineering
The University of Texas at El Paso
500 W. University Ave
El Paso, TX 79968
Office: (915) 747-8011
www.utep.edu/engineering/eec
Rationale for changing the course:
The update in course title and description is to reflect modern terminology and trends in the field of power systems and highlight a system-level focus of this course. The original title and description focused primarily on the device-level control in power systems.

The change in pre-requisites is to replace EE 4387 with EE 2351 and EE 2372 and include department approval. This will remove unnecessary barriers for students to take this course while ensuring they have the necessary background to handle this course.

All fields below are required

Subject Prefix and number EE 4384

Course Title  Control of Electric Power

<table>
<thead>
<tr>
<th>Change</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex. Prerequisite</td>
<td>Ex. POLS 2310</td>
<td>Ex. POLS 2312</td>
</tr>
<tr>
<td>Description</td>
<td>Introduction to Flexible AC Transmission Systems (FACTS), High Voltage Direct Current (HVDC) power transmission systems, and electric drives and applications. Prerequisites: EE 4387 with a grade of &quot;C&quot; or better.</td>
<td>This course introduces the students to basic optimization problems in transmission-level power system operations and planning, including basic knowledge about linear optimization, optimal power flow, unit commitment, and an introduction to the applications of power flow control technologies in power systems, such as transmission switching and flexible AC transmission systems (FACTS).</td>
</tr>
<tr>
<td>Title</td>
<td>Control of Electric Power</td>
<td>Transmission Power Flow Control</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>EE 4387 w/C or better</td>
<td>(EE 2351 w/C or better and EE 2372 w/C or better)</td>
</tr>
</tbody>
</table>