 Proposal Title: Computer Science curriculum changes for the Fall 2021 catalog

The Department of Computer Science proposes the following changes to the Undergraduate Curriculum and to the Bachelor of Science in Computer Science degree plan:

1) The department proposes to modify the course prerequisite for CS 4374, Software Construction.

   **Rationale.** Software Construction includes several knowledge and skills dependencies that students gain in CS 3331. The dependencies include, knowledge of fundamental UML modeling notations, knowledge of advanced Object Oriented concepts, code refactoring, code documentation skills using frameworks such as JavaDoc, and translation of designs into implementations.

2) The department proposes to modify the course classification for CS 3331, Adv. Object-Oriented Programming

   **Rationale.** Some students are ready to take the CS 3331 course slightly before they reach junior status. Whether the student is ready will be decided through advising instead.
Proposal Title: Computer Science curriculum changes for the Fall 2021 catalog

College: Engineering  Department: Computer Science

DEPARTMENT CHAIR

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

Dr. Salamah Salamah
_______________________________________
Signature Date

10/14/2020

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
Good morning Julie,

I hope your week is going well.

Attached is the approved UG CS Proposal that we would to include in the next UGCC meeting.

See below for the chain of approvals.

Best Regards,

Virginia

Virginia Granda-Becker
Coordinator for Academic Affairs and Undergraduate Studies

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The University of Texas at El Paso
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Office: (915) 747-8011
www.utep.edu/engineering/eec

PN
Hi Virginia,

I approve of the 2 attached proposals from CS and E-LEAD. I am forwarding the proposals to Dr. Nava for her review.
Good afternoon Dr. Love,

Attached are two of the three UG proposals that have been approved by our COECC and its chair.

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

I will send you the last proposal once the corrected version has been submitted and Dr. Everett has approved it.

Best Regards,

Virginia

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These look good, I approve them.

Dr. Everett,

I am attaching two of the three UG proposals that were approved today by our COECC committee.
Please let me know if the proposals have your approval to move forward.

I will be sending you the last proposal once I receive it with the corrections.

Best Regards,

Virginia

Virginia Granda-Becker  
Coordinator for Academic Affairs and Undergraduate Studies

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COURSE CHANGE FORM

All fields below are required

College : ENGINEERING          Department : COMPUTER SCIENCE

Rationale for changing the course:
Requesting to change CS 4374 Software Construction course prerequisites from CS 2302 Data Structures to CS 3331 Advanced Object Oriented Programming.

Rationale:
Software Construction includes several knowledge and skills dependencies that students gain in CS 3331. The dependencies include, knowledge of fundamental UML modeling notations, knowledge of advanced Object Oriented concepts, code refactoring, code documentation skills using frameworks such as JavaDoc, and translation of designs into implementations.

All fields below are required

Subject Prefix and number CS 4374

Course Title  Software Construction

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<th>Change</th>
<th>From</th>
<th>To</th>
</tr>
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<tbody>
<tr>
<td>Ex. Prerequisite</td>
<td>Ex. POLS 2310</td>
<td>Ex. POLS 2312</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>(MATH 2300 w/C or better OR CS 2202 w/C or better) AND (CS 2302 w/C or better)</td>
<td>CS 3331</td>
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These changes will be reflected in Banner, Goldmine, and the catalog
COURSE CHANGE FORM

All fields below are required

College : Engineering  Department : Computer Science

Rationale for changing the course:
Some students are ready to take the CS 3331 course slightly before they reach junior status.
Whether the student is ready will be decided through advising instead.

All fields below are required

Subject Prefix and number CS 3331
Course Title  Adv. Object-Oriented Programng

<table>
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<tbody>
<tr>
<td>Ex. Prerequisite</td>
<td>Ex. POLS 2310</td>
<td>Ex. POLS 2312</td>
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<tr>
<td>Classification restriction</td>
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These changes will be reflected in Banner, Goldmine, and the catalog