Wilkes University Curriculum Committee

PROPOSAL SUBMITTAL FORM

Directions:
- Use this set of forms for all proposals sent to the Curriculum Committee.
- Pages 1-3 of this document are required. Any unnecessary forms should be deleted from the packet before submissions. If multiple forms are needed (course addition, course deletion, etc), simply copy and paste additional forms into this packet.
- Note that all new programs (majors and minors) and program eliminations must be reviewed and approved by the Provost and APC prior to submission to the Curriculum Committee. Significant program revisions must also undergo review and approval by the Provost. The Provost will determine if a significant proposal revision requires approval by the APC. Revisions to the General Education curriculum originate from the General Education Committee and must be reviewed and approved by the Provost.
- Completed (and signed) forms are due on the first Tuesday of every month. Submit one signed copy to the Chair of the Curriculum Committee.

1. Originator: John Gilmer
   Electrical Engineering and Physics
   Phone: x4885 and email: jgilmer@wilkes.edu

2. Proposal Title: Prerequisite change for EE252 and EGR222

3. Check only one type of proposal: (double click on the appropriate check box and change default value to “checked”).

☐ New Program. (Major or Minor Degree Programs, Certificate Programs). This requires prior review and approval by the Provost and APC.
☐ Elimination of Program. (Major or Minor Degree Programs). This requires prior review and approval by the Provost and APC.
☐ Program Revision. Significant revisions to a program require review and approval by the Provost. The Provost determines if review and approval by APC is necessary.
☐ General Education Revision. Submissions only accepted from the General Education Committee (GEC). Must be reviewed and approved by the Provost.
☐ Creation of new departments, elimination of existing department. This requires prior review and approval by the Provost and APC.
☐ Course additions or deletions not affecting programs (such as elective courses, transition of “topics” courses to permanent courses).
☐ Change in course credit or classroom hours.
☒ Incidental Changes. Includes changes in course/program title, course descriptions, and course prerequisites. (Although these changes do require approval by the Curriculum Committee, they do not go before the full faculty for approval).
☐ Other (Specify)
4. Indicate the number of course modification forms that apply to this proposal:

   ______ Course Addition Form (plus syllabi)
   ______ Course Deletion Form
   ___ 2 ___ Course Change Form

5. Executive Summary of Proposal.
   Briefly summarize this proposal. The breadth and depth of this executive summary should reflect the complexity and significance of the proposal. Include an overview of the proposal, background and reasoning behind the proposal and a description of how the proposal relates to the mission and strategic long-range plan of the unit and/or university. For incidental changes a one or two sentence explanation is adequate.

   Once PHY202 had been a co-requisite for EE211 Circuits and Devices. In order to make EE211 more accessible to transfer students, the calculus dependency of EE211 was reduced, and PHY202 was no longer a co-requisite. The idea was that for EE211, and the following course EE251 Electronics 1, students did not need to have a calculus based physics of the electrical devices, and could transfer in equivalent courses that did not require the equivalent to PHY202. However, EE students entering EE252 Electronics 2, in which frequency response and other calculus based phenomena are critical, do need to have the calculus based PHY202. Likewise, students in EGR222 Mechatronics also need the calculus based physics. This proposal fixes the problem that the current course descriptions do not include a PHY202 prerequisite.

6. Other specific information. (Not applicable for incidental changes.)

   What other programs, if any, will be affected by this proposal? Describe what resources are available for this proposal. Are they adequate? What would be the effect on the curriculum of all potentially affected programs if this proposal were adopted? Include any potential effects to the curriculum of current programs, departments and courses.

   The ME and EGM programs are also affected by this proposal, since EGR222 is a required course for their curricula. There should be very little impact, since most students should have had PHY202 (usually 3rd semester, sometimes second) before taking either EE252 (5th semester) or EGR222 (4th semester). In those cases where the student does not already have PHY202, he should not be taking EE252 or EGR222, and will struggle due to lack of prerequisite knowledge. There are no resource issues.

7. Program Outline. (Not applicable for incidental changes).

   A semester-by-semester program outline as it would appear in the bulletin for a new program or any modified program with all changes clearly indicated.

   Not applicable
8. Signatures and Recommendations. (please date)
   - Signatures of involved Department chair(s) and Dean(s) indicate agreement with the proposal and that adequate resources (library, faculty, technology) are available to support proposal.
   - If a potential signatory disagrees with a proposal he/she should write “I disagree with this proposal” and a signed statement should be attached to this submission.

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thyagarajan/Chair, Electrical Engineering and Physics</td>
<td></td>
<td></td>
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<tr>
<td>Jamal Ghorieshi/Chair, Mechanical Engineering and Engineering Management</td>
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<tr>
<td>Dale Bruns/Dean, College of Science and Engineering Dean (s) of any potentially affected College/School</td>
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<td>Susan Hritzak, Registrar</td>
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Wilkes University Curriculum Committee
COURSE CHANGE FORM

**Directions:** Use this form to change information relating to an existing course. Please note, changes to course number require separate course addition/deletion forms (not this form!). Only indicate changes that are proposed (existing and proposed), other fields should be left blank.

**Course Number:** EE252
**Course Title:** Electronics 2

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Existing</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Credit hours. (Indicate classroom, lab or “other” hours.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Prerequisites</td>
<td>EE211, EE283, MTH112</td>
<td>EE211, EE283, MTH112, PHY202</td>
</tr>
<tr>
<td>Course Description (as proposed for Bulletin)¹</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ Course descriptions provide an overview of the topics covered. If the course is offered on a scheduled basis, i.e. every other year, or only during a set semester, note this in the description. Course descriptions should be no more than two to three sentences in length.
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Directions: Use this form to change information relating to an existing course. Please note, changes to course number require separate course addition/deletion forms (not this form!). Only indicate changes that are proposed (existing and proposed), other fields should be left blank.

Course Number: EGR222
Course Title: Mechatronics

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