UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. A <u>checklist</u> is available to assist in the preparation of a proposal. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: ___Javier Garcia-Frias_____phone number____x0751_____

Department: _Electrical and Computer Engineering_____email address_jgarcia@ee.udel.edu

Date: __12/4/12_____

Action: _____Establish dual Ph.D. degree program_____
 (Example: add major/minor/concentration, delete major/minor/concentration, revise
major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term_____13S_____
 (use format 04F, 05W)

Current degree_____
 (Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: _____
 (Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: Dual Ph.D. degree program between ECE and "Escuela de Ingenierías Eléctrica, Electrónica y de Telecomunicaciones" of "Universidad Industrial de Santander".
 Proposed new name for revised or new major / minor / concentration / academic unit
 (if applicable)

Revising or Deleting:

Undergraduate major / Concentration:_____
 (Example: Applied Music -- Instrumental degree BMAS)

Undergraduate minor:_____
 (Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change:_____
 (Must attach your Graduate Program Policy Statement)

Graduate Program of Study:_____
 (Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration:_____

Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?
(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the <u>**Course Challenge**</u> list. If there are no new courses enter "None")

None.

Supply support letter from the Library, Dean, and/or Department Chair if needed
(all new majors/minors will need a support letter from the appropriate administrator.)

Not needed.

Supply a resolution for all new majors/programs; name changes of colleges, departments, degrees; transfer of departments from one college to another; creation of new departments; requests for permanent status. See example of resolutions.

Resolution attached.

Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: http://www.ugs.udel.edu/gened/

Not applicable.

Identify other units affected by the proposed changes:
(Attach permission from the affected units. If no other unit is affected, enter "None")

None.

Describe the rationale for the proposed program change(s):
(Explain your reasons for creating, revising, or deleting the curriculum or program.)

We have established successful collaborations with "Universidad Industrial de Santander" (UIS), specifically, a dual M.S. program. A significant number of excellent students at UIS, including some young faculty, are interested in coming to UD for a Ph.D. degree. We anticipate that the flow of students to the department will be higher with the establishment of the Dual Ph.D. degree program: interested students could initiate their doctoral studies at UIS, and then come to UD to perform their doctoral research without losing their affiliation to UIS and their foreign funding. We anticipate that the establishment of a Dual Ph.D. degree program will improve the number of high-quality Ph.D. students at the department at a minimal cost, since most of the participating students will come with external funding.
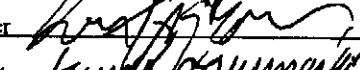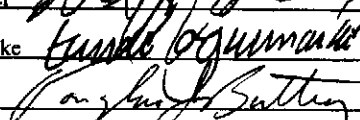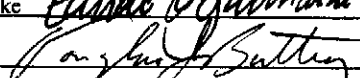

Program Requirements:
(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and include a side-by-side comparison of the credit distribution before and after the proposed change.) See example of side by side.

Not applicable.

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson ____Kenneth E. Barner____ Date 12/5/12

Dean of College____Batunde Ogunnaike____ Date 2/14/20/3

Chairperson, College Curriculum Committee____ Date 2/14/2013

Chairperson, Senate Com. on UG or GR Studies_____Date_____

Chairperson, Senate Coordinating Com._____Date_____

Secretary, Faculty Senate_____Date_____

Date of Senate Resolution_____Date to be Effective_____

Registrar _____Program Code_____Date_____

Vice Provost for Academic Affairs & International Programs_____Date_____

Provost _____Date_____

Board of Trustee Notification_____Date_____

Revised 02/09/2009 /khs

WHEREAS, the Department of Electrical and Computer Engineering (ECE) in the College of Engineering offers a successful Ph.D. program, and

WHEREAS, the "Escuela de Ingenierías Eléctrica, Electrónica y de Telecomunicaciones" (E^{3}T School) of Universidad Industrial de Santander, Bucaramanga, Colombia, offers a successful Ph.D. program in the areas of Electrical, Electronics and Technological Management, and

WHEREAS, it is in the interest of both parties to expand the research collaboration existing between them, by providing qualified students with a joint graduate education so that, upon program completion, they can simultaneously receive a Ph.D. degree from both institutions, and

WHEREAS, the proposed Dual Ph.D. degree program contributes to the "global initiative" milestone on the University's "path to prominence"; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for five years the approval of the establishment of a Dual Ph.D. degree program between the ECE Department and the E^{3}T School of "Universidad Industrial de Santander".