



MEMORANDUM

To: Julio Frenk, President

From: Linda L. Neider
Chair, Faculty Senate

A handwritten signature in blue ink, appearing to read 'L. Neider', is placed over the 'From' field.

Date: January 29, 2021

Subject: Faculty Senate Legislation #2020-43(B) – Inactivate the PhD in Ergonomics and Human Factors, College of Engineering, Department of Industrial Engineering


The Faculty Senate, at its January 27, 2021 meeting, had no objections to the approval to inactivate the PhD in Ergonomics and Human Factors in the College of Engineering, Department of Industrial Engineering. This change is based on market demand and the relationship to other programs.

This legislation is now forwarded to you for your action.

LLN/va/rh

cc: Jeffrey Duerk, Executive Vice President and Provost
Pratim Biswas, Dean, College of Engineering
Nina Miville, Associate Professor of Practice

CAPSULE: Faculty Senate Legislation #2020-43(B) – Inactivate the PhD in Ergonomics and Human Factors, College of Engineering, Department of Industrial Engineering

APPROVED:  DATE: 2/17/21
(President's Signature)

OFFICE OR INDIVIDUAL TO IMPLEMENT: Pratim Biswas, Dean, College of Engineering

EFFECTIVE DATE OF LEGISLATION: IMMEDIATELY
(Pending any further Board of Trustees approval)

NOT APPROVED AND REFERRED TO: _____

REMARKS (IF NOT APPROVED): _____

Program Change Request

A deleted record cannot be edited

Program Inactivation Proposal

Date Submitted: 03/09/20 4:44 pm

Viewing: **Ph.D. in Ergonomics and Human Factors**
: ERGO_PHD

Last edit: 01/08/21 10:52 am

Changes proposed by: Nina Miville (ndecario1)

Date of Closure

(when new

students will no

longer be admitted)

In Workflow

1. **PG Assessment and Accreditation**
2. **PG IEN Chair**
3. **PG EN Dean**
4. **PG University Accreditation**
5. **PG GR School**
6. **PG Graduate Council**
7. **PG GR Dean**
8. **PG FS Office for GWC**
9. PG FS GWC
10. PG Faculty Senate
11. PG FS Office for President
12. PG Registrar

Approval Path

1. 05/05/20 10:12 am
Patty Murphy
(pxm491): Approved for PG Assessment and Accreditation
2. 10/13/20 9:38 am
Vincent Omachonu
(vomachonu): Approved for PG IEN Chair
3. 11/01/20 2:24 pm
Daniel Berg
(d.berg): Approved for PG EN Dean

- 4. 11/09/20 1:03 pm
Patty Murphy
(pxm491): Approved
for PG University
Accreditation
- 5. 11/09/20 1:11 pm
Tiffany Plantan
(tplantan):
Approved for PG GR
School
- 6. 11/20/20 11:38 am
Tiffany Plantan
(tplantan):
Approved for PG
Graduate Council
- 7. 11/20/20 11:52 am
Guillermo Prado
(gprado): Approved
for PG GR Dean

05/15/2020

Final Catalog 2019 - 2020
Edition

Reason for Closure

The interest in the program and enrollment is very low. We have only had 1 or 2 students in the last 10 years. In addition, we no longer have enough faculty in this area to sustain the program.

Describe the
number of students
currently enrolled
in the program and
when they are
expected to
complete the
program

1 - will graduate at the end of the Spring 2020 semester.

Explain how current
students will be
helped to complete

their program of study

n/a - we do not have any other students in the program.

Describe any additional charges/expenses students will incur due to the program closure, if any

none

Describe how current faculty and/or staff will be affected by the program closure, if at all, and how they will be redeployed or helped to find new employment, if needed

The faculty have either retired or left the university in the specialty area.

Explain how and when any affected parties (students, faculty, staff) will be informed of the impending closure

[IE Program Closures Supporting Letters.pdf](#)

The faculty and staff were notified in a faculty meeting. There aren't any students to notify.

Please list the authors of this proposal including name, rank/title, program/department, and school.

Proposer(s) Name

Career

Graduate

Academic Structure

School/ College

Department

School/ College	Department
College of Engineering	Industrial Engineering

Plan Type Major and/or Degree

Degree Type Doctorate

Degree Name

Proposed Plan Code

Plan Name Ph.D. in Ergonomics and Human Factors

Will there be any subcomponents within the program such as concentrations, specializations, thesis/non-thesis options, or tracks?

Effective Term

First Term Valid

Program Instruction Mode In Person

Where is the program offered?	Location	Please provide the % of instruction at each location.
	Coral Gables Campus	100

Program Length (Years) 4

Total Credits 60

To Be Published in the Academic Bulletin

Policies and Important Details

The Ph.D. in Ergonomics and Human Factors for students with a background in engineering and/or related sciences.

To maintain status as a graduate student, registration in each fall and spring semester is required. Otherwise, admission lapses and permission to re-enter must be granted.

Once a student has completed all course and required research credit hours, he or she must enroll in "Research in Residence" status until the degree has been granted. "Research in Residence" status is considered full time enrollment. Time restrictions on obtaining degrees will be strictly enforced and can be waived only by the Dean of the Graduate School.

Upon completing the course requirements, passing the qualifying exams, and successfully defending the Ph.D. proposal, the student is eligible for admission to the Ph.D. candidacy.

Upon passing the qualifying exams, the student in consultation with his/her selected Ph.D. Dissertation committee chair will decide on the dissertation committee members. The Dissertation committee will consist of not less than four members, three from the Department's graduate faculty, one from outside the Department. The chairman has to be a member of the graduate faculty. The duties of the Dissertation Committee are:

To consult with and to advise students on their research.

To meet, at intervals, to review progress and expected results.

To read and comment upon the draft dissertation.

To meet, when the dissertation is completed, to conduct the final oral examination and to satisfy itself that the dissertation is a contribution to knowledge and that it is written in lucid and correct English and submitted in approved form.

The candidate is well advised to have a final acceptable typescript of the dissertation in the hands of each member of his/her committee at a time reasonably in advance of the final defense of the work.

There are no foreign language requirements for the Ph.D. degree.

Course work requirements depend on the student's background, and are established by the Graduate Advisor and the Department Chairman. 60 credit hours beyond the baccalaureate degree are the minimum requirement for the Ph.D. Students with a Master's degree may take the minimum hours listed below, while students without a master's must take the maximum hours.

Program Mission Statement

Mission

The Department of Industrial Engineering's mission is to provide contemporary and relevant industrial and systems engineering education and research; impart knowledge and skills necessary to design and to improve a variety of manufacturing and service processes; promote life-long learning; and contribute to emerging societal needs.

Program Goals

Goals

Student Learning Outcomes

Student Learning Outcomes

Graduates will identify advanced engineering problems, search all possible methods for solution and implement the most appropriate one.

Graduates will demonstrate an ability to write effectively about advanced engineering topics.

Graduates will have an ability to present their findings effectively about advanced engineering topics.

Curriculum Requirements

Curriculum Requirements

Individualize Student Plan

6 to 10 courses at 600 or 700 level

18 - 30

4 to 6 courses at 700 level

12 - 18

Dissertation (12 credits)

12

Required Exams

Written Qualifying Exams 1

Ergonomics and Human Factors Qualifying Exam

Industrial Hygiene Qualifying Exam

Safety Engineering Qualifying Exam

Biomechanics Qualifying Exam

Statistics & Regression analysis Qualifying Exam

Total Credit Hours

42-60

1A written qualifying examination is to be taken by each doctoral degree candidate during the first year of graduate work. The department may specify that the student must take an oral examination as well. In those cases, normally, the student shall pass the written examination before the oral examination is conducted. Upon completion of the examination process, the Graduate Advisor notifies the Department Chairman that the student has passed or failed the examination. A student who fails the examination may be permitted to retake it, with the permission of the Graduate Advisor and the Chairman. Qualifying examinations normally will not be given during the summer months. The applicant must hold a 3.0 average on all credit hours attempted with no single grade below "C" at the University of Miami while a graduate student.

*At least 24 must have been taken in residence at the University of Miami. A minimum of 12 dissertation

credit hours must be taken.

Plan of Study

Admission Requirements

Rationale

Rationale

Market Demand

Relationship to Other Programs

Relationship to Undergraduate and Professional Programs

Library Resources Available and Needed to Support the Program

Laboratory Facilities, Equipment, and Space Available and Needed to Support the Program

Other Resources Available or Needed to Support the Program

Curriculum

Program Curriculum

Upload Syllabi for Any New Courses

Proposed Schedule of Course Offerings for the First Three Years

CIP Code

Proposed CIP Code

Faculty

Program Directors

Upload CV(s)

Program Faculty

Upload CV(s) Grad

Students

Applicant Pool

Enrollment Projections

Teaching or Research Assistants

Administration

Program Administration

Budget

Program Budget

Comparison

Peer Comparisons

Documents

Attach Supporting Documentation

Reviewer

Comments

Patty Murphy (pxm491) (04/13/20 5:00 pm): SACSCOC was notified about the proposed closure on 4/13/2020. Approval is pending.

Patty Murphy (pxm491) (11/09/20 12:58 pm): The Dept. Faculty voted to approve this closure on July 17, 2019. The College Council voted to approve this on May 11, 2020.

Patty Murphy (pxm491) (11/09/20 1:02 pm): SACSCOC has approved this closure.

Tiffany Plantan (tplantan) (11/20/20 11:38 am): MOTION to inactivate the Ph.D. in Ergonomics ; seconded and passed (13 approved, 0 opposed, 0 abstained) at the November 17, 2020 Meeting of the Graduate Council

Key: 389