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FLORIDA INTERNATIONAL UNIVERSITY
Miami's public research university

OFFICE OF THE
BOARD OF GOVERNORS
STATE UNIVERSITY
SYSTEM OF FLORIDA

2008 SEP -4 AM 10:34

August 26, 2008

Dorothy Minear, Ph.D.
Senior Associate Vice Chancellor
Academic and Student Affairs
Florida Board of Governors
State University System
325 West Gaines Street, Suite 1614
Tallahassee, FL 32399-0400

Dear Dr. Minear:

Florida International University's Board of Trustees met on June 12, 2008 in Miami, Florida and respectfully submit this request to terminate the Doctor of Philosophy in Industrial and Systems Engineering program. Enclosed please find Agenda item 4, the formal termination resolution; exhibit "E", the program termination policy; and the program termination form with original signatures. The program has stopped admitting students pending official action by the Board of Governors. Students in the program will have an opportunity to complete the program.

Sincerely,

Modesto A. Maidique
President

OFFICE OF THE PRESIDENT

University Park, Miami, Florida 33199 • www.fiu.edu • TDD via FRS 800-955-8771

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**THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
ACADEMIC POLICY COMMITTEE**

12 JUNE 2008

SUBJECT: REQUEST TO TERMINATE ACADEMIC PROGRAMS

PROPOSED COMMITTEE ACTION:

Recommend Board adoption of the following Resolution:

WHEREAS The Florida International University Board of Trustees (the BOT) has a Program Termination Policy, which specifies the standards required for University program termination and is attached hereto as Exhibit "E";

RESOLVED that the BOT hereby approves the request for the termination of the following academic degree programs.

Dance – Bachelor of Arts
English Teacher Education – Bachelor of Science
English Teacher Education – Master of Science
Environmental and Systems Engineering – Master of Science
Exercise Science – Bachelor of Science
Exercise Science – Master of Science
German – Bachelor of Arts
Health Sciences – Bachelor of Science
Health Information Management – Bachelor of Arts
Humanities – Bachelor of Arts
Insurance and Risk Management – Bachelor of Business Administration
Industrial Systems Engineering – Bachelor of Science
Industrial Systems Engineering – Master of Science
Logistics and Materials Management – Bachelor of Business Administration
Mathematics Teacher Education – Bachelor of Science
Mathematics Teacher Education – Master of Science
Music Teacher Education – Bachelor of Science
Science Teacher Education – Bachelor of Science
Science Teacher Education – Master of Science
Social Science Teacher Education – Bachelor of Science
Social Science Teacher Education – Master of Science
Technology Management – Master of Science
Tourism Studies – Master of Science
Travel and Tourism Management – Bachelor of Science

FURTHER RESOLVED that the BOT hereby recommends the request for the termination of the following academic degree program and forwards the recommendation to the Florida Board of Governors for final approval.

Industrial Systems Engineering – Doctor of Philosophy

FURTHER RESOLVED, that the BOT authorizes the University President to take all actions necessary to implement this Resolution in accordance with the Florida Board of Governors regulations.

BACKGROUND INFORMATION:

AUTHORITY:

The Florida Board of Governors Resolution adopted January 7, 2003 provides, in pertinent part:

Each board of trustees has responsibility for the establishment and discontinuance of degree programs up to and including the master's degree level.

The Florida Board of Governors Regulation 8.012 Academic Program Termination states in part:

(3) Each University Board of Trustees has the responsibility and authority to approve termination of degree programs at the bachelor's, master's, advanced master's, and specialist level in accordance with BOG Regulation 8.012 (1) and subsection (2). Upon termination of a degree program, the university will notify the Board of Governors, Office of Academic and Student Affairs within four weeks of the University Board of Trustees decision.

(4) Each University Board of Trustees has the responsibility and authority to recommend termination of degree programs at the professional and doctoral level to the Board of Governors in accordance with BOG Regulation 8.012 (1) and subsection (2). In its request for termination of a program the university will provide documentation that it has followed its established policies, including those related to faculty affected by program termination, and that there is a plan in place to accommodate any students who are currently active in the program.

Florida Board of Governors 8.012 subsections (1) and (2) provide:

(1) To ensure the efficient use of state resources and maintain the quality and relevancy of academic programs offered within the State University System, programs may be terminated. Reasons for terminating programs may include but are not limited to the following:

- (a) Enrollments are no longer sufficient to justify the cost of instruction, facilities, and equipment; or the program duplicates other offerings at the university.
 - (b) The program is no longer aligned with the mission or strategic goals of the university, or is no longer aligned with strategic goals of the Board of Governors.
 - (c) The program no longer meets the needs of the citizens of Florida in providing a viable educational or occupational objective.
- (2) Each University Board of Trustees must adopt policies and procedures for degree program termination, with copies provided to the Board of Governors, Office of Academic and Student Affairs. The policies will include at a minimum:
- (a) A formal process for determining degree programs that are candidates for termination that includes review by the appropriate curriculum, financial, and administrative councils of the university; and
 - (b) A plan to accommodate any students or faculty who are currently active in a program that is scheduled to be terminated; and
 - (c) A process for evaluation and mitigation of any potential negative impact the proposed termination may have on the current representation of females and ethnic minorities within the faculty and students.

The Florida International University Board of Trustees, Policy on Program Termination, approved and effective 15 November 2007, states in pertinent part:

In order to promote and maintain high quality academic programs, the University may over time develop new academic degree programs or discontinue existing programs.

Program discontinuance is the formal termination of a degree program, department or division of instruction, school or college, or other program unit for educational reasons, strategic realignment, resource allocation, budget constraints, or combination of education strategies and financial reasons. A recommendation to discontinue a program, or department, or other academic unit may be made by a department, its chair, the dean, the campus program review committee, the vice president for academic affairs, the provost, the president or the Board of Trustees.

A recommendation for program discontinuance will be reviewed by the provost with advice from the dean and faculty senate and submitted to the President and Board of Trustees.

**EXHIBITS/SUPPORTING
DOCUMENTS:**

- EXHIBIT “E”: PROGRAM TERMINATION POLICY
- ATTACHMENT “10”: PROGRAM TERMINATION FORM:
DANCE – BACHELOR OF ARTS
- ATTACHMENT “11”: PROGRAM TERMINATION FORM:
ENGLISH TEACHER EDUCATION – BACHELOR OF SCIENCE
- ATTACHMENT “12”: PROGRAM TERMINATION FORM:
ENGLISH TEACHER EDUCATION – MASTER OF SCIENCE
- ATTACHMENT “13”: PROGRAM TERMINATION FORM:
ENVIRONMENTAL SYSTEMS ENGINEERING – MASTER OF
SCIENCE
- ATTACHMENT “14”: PROGRAM TERMINATION FORM:
EXERCISE SCIENCE – BACHELOR OF SCIENCE
- ATTACHMENT “15”: PROGRAM TERMINATION FORM:
EXERCISE SCIENCE – MASTER OF SCIENCE
- ATTACHMENT “16”: PROGRAM TERMINATION FORM:
GERMAN – BACHELOR OF ARTS
- ATTACHMENT “17”: PROGRAM TERMINATION FORM:
HEALTH SCIENCE – BACHELOR OF SCIENCE
- ATTACHMENT “18”: PROGRAM TERMINATION FORM:
HEALTH INFORMATION MANAGEMENT – BACHELOR OF
ARTS
- ATTACHMENT “19”: PROGRAM TERMINATION FORM:
HUMANITIES– BACHELOR OF ARTS
- ATTACHMENT “20”: PROGRAM TERMINATION FORM:
INSURANCE AND RISK MANAGEMENT– BACHELOR OF
BUSINESS ADMINISTRATION
- ATTACHMENT “21”: PROGRAM TERMINATION FORM:
INDUSTRIAL SYSTEMS ENGINEERING – BACHELOR OF
SCIENCE
- ATTACHMENT “22”: PROGRAM TERMINATION FORM:
INDUSTRIAL SYSTEMS ENGINEERING – MASTER OF SCIENCE
- ATTACHMENT “23”: PROGRAM TERMINATION FORM:
LOGISTICS AND MATERIALS MANAGEMENT– BACHELOR OF
BUSINESS ADMINISTRATION
- ATTACHMENT “24”: PROGRAM TERMINATION FORM:
MATHEMATICS TEACHER EDUCATION – BACHELOR OF
SCIENCE
- ATTACHMENT “25”: PROGRAM TERMINATION FORM:
MATHEMATICS TEACHER EDUCATION – MASTER OF
SCIENCE
- ATTACHMENT “26”: PROGRAM TERMINATION FORM: MUSIC
TEACHER EDUCATION – BACHELOR OF SCIENCE
- ATTACHMENT “27”: PROGRAM TERMINATION FORM:

SCIENCE TEACHER EDUCATION – BACHELOR OF SCIENCE

- ATTACHMENT “28”: PROGRAM TERMINATION FORM:
SCIENCE TEACHER EDUCATION – MASTER OF SCIENCE
- ATTACHMENT “29”: PROGRAM TERMINATION FORM:
SOCIAL SCIENCE TEACHER EDUCATION – BACHELOR OF
SCIENCE
- ATTACHMENT “30”: PROGRAM TERMINATION FORM:
SOCIAL SCIENCE TEACHER EDUCATION – MASTER OF
SCIENCE
- ATTACHMENT “31”: PROGRAM TERMINATION FORM:
TECHNOLOGY MANAGEMENT– MASTER OF SCIENCE
- ATTACHMENT “32”: PROGRAM TERMINATION FORM:
TOURISM STUDIES – MASTER OF SCIENCE
- ATTACHMENT “33”: PROGRAM TERMINATION FORM:
TRAVEL AND TOURISM MANAGEMENT – BACHELOR OF
SCIENCE
- ATTACHMENT “34”: PROGRAM TERMINATION FORM:
INDUSTRIAL SYSTEMS ENGINEERING – DOCTOR OF
PHILOSOPHY

FACILITATOR/PRESENTER: ▪ RONALD BERKMAN

Exhibit "E"

Florida International University Board of Trustees Program Termination Policy

PURPOSE

To specify the standards required for university program termination.

AUTHORITY/SOURCE

Executive Vice President and Provost

POLICY

In order to promote and maintain high quality academic programs, the University may over time develop new academic degree programs or discontinue existing programs.

Program discontinuance is the formal termination of a degree program, department or division of instruction, school or college, or other program unit for educational reasons, strategic realignment, resource allocation, budget constraints, or combination of education strategies and financial reasons.

PROCEDURE

A recommendation to discontinue a program, or department, or other academic unit may be made by a department, its chair, the dean, the campus program review committee, the vice president for academic affairs, the provost, the president or the Board of Trustees.

A recommendation for program discontinuance will be reviewed by the provost with advice from the dean and faculty senate and submitted to the President and Board of Trustees. In considering programs for possible termination, the following items will be evaluated:

1. Relationship of the program to the University Mission.
2. Relationship of the program to University Strategic Objectives
3. (Student FTE)/(Faculty FTE)
4. (Program Expenses)/ (State appropriations plus tuition)
5. Number of graduates
6. Time to degree
7. Percent completing with 4 years, 6 years, and 8 years (the latter only for graduate programs)
8. Faculty scholarly and/or creative productivity
9. Record of Faculty external funding, where appropriate
10. Impact on students in the program
11. Impact on educational opportunities for underrepresented minorities
12. External community financial support
13. Accreditation status for accredited programs

The trend lines in indicators 3-9 will be of particular importance.

PROGRAM TERMINATION FORM

Florida Board of Governors

UNIVERSITY:

Florida International University

PROGRAM NAME:

Doctor of Philosophy in Industrial and Systems Engineering

DEGREE LEVEL:

PhD – Graduate

***CIP CODE:**

14.2701

ANTICIPATED TERMINATION DATE:

June 12, 2008

RATIONALE:

The PhD in Industrial and Systems Engineering was established in 2004, with tentative plans for a separate doctoral program in technology management, which did not materialize [Program Review Report, ISE, April 22, 2003]. The enrollment in the program has been steady, due in part to the College's investment in Faculty Development Programs. To date, 4 students have graduated. Given the mandatory budget cuts, the College of Engineering and Computing can no longer afford offering this program through the use of its full-time and adjunct faculty for a limited number of students.

CAMPUSES:

Industrial and Systems Engineering graduate courses are offered at FIU's Engineering Center, 10555 W. Flagler Street, Miami, FL

ACCOMMODATION FOR CURRENT STUDENTS:

The College of Engineering and Computing will continue to offer courses through May 2011. Currently, 19 students are enrolled in the program.

DISTRIBUTION OF STUDENTS AND FACULTY:

Faculty and staff within the Department of Industrial and Systems Engineering will be impacted due to program closure. Appropriate contractual procedures will be followed. A list of all faculty and staff is attached for reference. Data on time to degree and degrees awarded are attached. The following is a listing of the average number of students by year.

	2007	2006	2005	2004	2003
Male	15	11	9	8	
Female	4	4	6	6	
White	1	1	1	0	
Black	0	0	0	0	
Hispanic	4	2	3	1	
Asian	1	0	0	0	
Native Indian					
Non Res Alien	13	12	11	13	
Not Reported					
Total	19	15	15	14	Started in 2004

Source: Florida Board of Governors

Attached tables indicate the number of PhD degrees awarded since 2004.

POTENTIAL NEGATIVE IMPACT OF PROPOSED ACTION ON THE CURRENT REPRESENTATION OF FEMALES AND MINORITIES AMONG FACULTY AND STUDENTS:

Faculty: The ISE faculty consists of one female, two Hispanics, no Blacks, four Whites, and six Asians. Closure of this program will disproportionately affect representation of Asians in the College.

Students: This program attracts females and Hispanics in slightly greater proportion than the College average.

FINANCIAL ANALYSIS:

In 2007-08 students majoring in this Industrial and Systems Engineering program generated \$143,256 in GRAD II tuition in courses taken throughout the university (\$17,691 resident; \$125,565 non-resident).

Overall 28% of the tuition goes to cover university wide indirect costs (\$40,112) and 23% for academic affairs indirect costs (\$32,949). In the College of Engineering and Computing the indirect costs in the Office of the Dean amount to \$31.38 per credit hour or \$12,395 leaving \$57,800 for direct instructional costs from tuition received.

The last time enrollment growth was funded, each GRAD II FTE (32 credits) received \$24,367. It is believed that the all of the proposed program closures will have less than a 5% change in enrollment by level and thus will have no effect on General Revenue allocated to FIU. General Revenue funding to a university is not specifically reduced unless the university falls below 95% of the funded enrollment for two consecutive years.

The budget allocation for Industrial and Systems Engineering is \$1,764,125. Although there is not a precise way to attribute expenditures directly to doctoral education in the department, the student credit hours generated by GRAD II enrollments account for 5.3% of credit hours taken by students in the department which is equivalent to \$92,980.

APPROVALS:

Jainendra Navlakha, Assoc. Dean

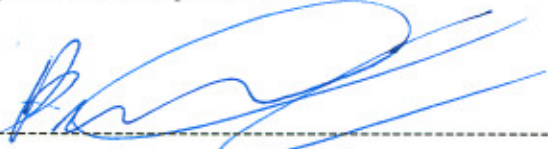


Signature of Requestor/Initiator

May 29, 2008

Date

Signature of Campus EO Officer



6/15/08

Date

Amir Mirmiran, Interim Dean

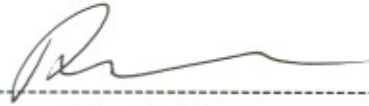


Signature of College Dean

May 22, 2008

Date

Disagree

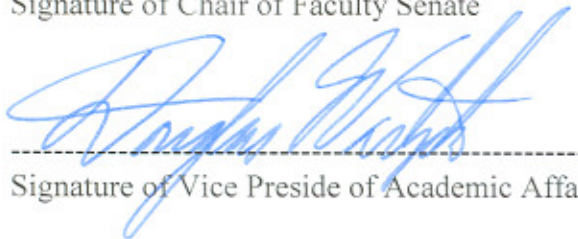


Signature of Chair of Faculty Senate

06/11/08

Date

Signature of Vice Preside of Academic Affairs



10/1/08

Date

Signature of Executive Vice President and Provost



6/10/08

Date

Signature of President



6/12/08

Date

Signature of Chair, FIU Board of Trustees



6/12/08

Date

INDUSTRIAL ENGINEERING					
EMPLOYEE	RANK	TENURE STATUS	HIRE DATE	ETHNICITY	GENDER
Perry, Marcus B.	Asst Prof	Tenure Earning	8/15/2007	white	male
Giachetti, Ronald E	Assoc Prof	Tenured	8/10/1997	white	male
Resnick, Marc L	Assoc Prof	Tenured	8/10/1993	white	male
Chow, Joe G.	Assoc Prof	Tenured	8/8/1992	asian	male
Chen, Chin-Sheng	Professor	Tenured	8/10/1995	asian	male
Sanchez, Mario J.	Instructor	non tenure earn	8/13/2001	hispanic	male
Lee, Shih-Ming	Assoc Prof	Tenured	8/8/1992	asian	male
Centeno, Martha A.	Assoc Prof	Tenured	8/8/1997	hispanic	female
Kengskool, Khokiat	Assoc Prof	Tenured	8/8/1990	asian	male
Damodaran, Purushothamaran	Asst Prof	Tenure earning	8/15/2006	asian	male
Park, Jinkyu	Asst Prof	Tenure earning	8/15/2006	asian	male
Makki, Kia	Professor	Tenured	8/11/2000	white	male

Time to Degree

Degree Level	Degree Program	CIP	Academic Year	Head count	Average time to Degree	Number completion within 2 Years	Percent completion within 2 Years	Number completion within 3 Years	Percent completion within 3 Years	Number completion within 4 Years	Percent completion within 4 Years
DOCTORAL	142701	Industrial & Systems	2005-2006	1	5	0	0.0%	0	0.0%	0	0.0%
			2006-2007	3	4	0	0.0%	1	33.3%	3	100.0%
		Industrial & Systems		4	4	0	0.0%	1	25.0%	3	75.0%

Attachment 34

Source: FIU Office of Planning and Institutional Effectiveness

Degrees Awarded

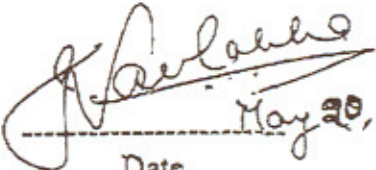
CIP Code	Program	Academic Year	PhD
14.2701	Industrial & Systems Engineering	2003-2004	0
		2004-2005	0
		2005-2006	1
		2006-2007	3
		2007-2008	0

Source: FIU Office of Planning and Institutional Effectiveness

APPROVALS:

Jainendra Navlakha, Assoc. Dean


Signature of Requestor/Initiator



Date *May 20, 2008*

Signature of Campus EO Officer

Date



Signature of College Dean

May 21, 2008

Date

Signature of Chair of Faculty Senate

Date

Signature of Vice Preside of Academic Affairs

Date

Signature of Executive Vice President and Provost

Date

Signature of President

Date

Signature of Chair, FIU Board of Trustees

Date