



FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
ACADEMIC POLICY AND STUDENT AFFAIRS COMMITTEE

Tuesday, February 27, 2018
9:30 a.m. *approximate start time
Florida International University
Modesto A. Maidique Campus
Student Academic Success Center, Room 100

Committee Membership:

Cesar L. Alvarez, *Chair*; Natasha Lowell, *Vice Chair*; Jose J. Armas; Dean C. Colson; Michael G. Joseph; Marc D. Sarnoff; Krista M. Schmidt; Kathleen L. Wilson

AGENDA

- | | |
|---|--------------------|
| 1. Call to Order and Chair's Remarks | Cesar L. Alvarez |
| 2. Approval of Minutes | Cesar L. Alvarez |
| 3. Action Items | |
| AP1. Honorary Degree Nomination | Kenneth G. Furton |
| AP2. New Program Proposal: Bachelor of Arts in Biological Sciences | Elizabeth M. Bejar |
| AP3. New Program Proposal: Bachelor of Arts in Sustainability and the Environment | Elizabeth M. Bejar |
| AP4. New Program Proposal: Bachelor of Business Administration in Logistics and Supply Chain Management | Elizabeth M. Bejar |
| AP5. New Program Proposal: Bachelor of Science in Crime Science | Elizabeth M. Bejar |
| AP6. Facility Security Clearance; Exclusion of Certain Directors and Officers | Kenneth G. Furton |
| AP7. Public Safety and Emergency Management Facilities Expansion | Kenneth A. Jessell |
| 4. New Business <i>(If Any)</i> | Cesar L. Alvarez |
| 5. Concluding Remarks and Adjournment | Cesar L. Alvarez |

The next Academic Policy and Student Affairs Committee Meeting is scheduled for Wednesday, June 6, 2018

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THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
Academic Policy and Student Affairs Committee
February 27, 2018

Subject: Approval of Minutes of Meeting held December 8, 2017

Proposed Committee Action:

Approval of Minutes of the Academic Policy and Student Affairs Committee meeting held on Friday, December 8, 2017 at the FIU, Modesto A. Maidique Campus, Graham Center Ballrooms.

Background Information:

Academic Policy and Student Affairs Committee members will review and approve the Minutes of the Academic Policy and Student Affairs Committee meeting held on Friday, December 8, 2017 at the FIU, Modesto A. Maidique Campus, Graham Center Ballrooms.

Supporting Documentation:	Minutes: Academic Policy and Student Affairs Committee Meeting, December 8, 2017
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Facilitator/Presenter:	Cesar L. Alvarez, <i>Academic Policy and Student Affairs Committee Chair</i>
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**FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
ACADEMIC POLICY AND STUDENT AFFAIRS COMMITTEE
MINUTES
DECEMBER 8, 2017**

1. Call to Order and Chair's Remarks

The Florida International University Board of Trustees' Academic Policy and Student Affairs Committee meeting was called to order by Committee Chair Cesar L. Alvarez at 10:10 a.m. on Friday, December 8, 2017, at the Modesto A. Maidique Campus, Graham Center Ballrooms.

The following attendance was recorded:

Present

Cesar L. Alvarez, *Chair (by phone)*
Natasha Lowell, *Vice Chair*
Dean C. Colson
Michael J. Joseph
Marc D. Sarnoff
Krista M. Schmidt
Kathleen L. Wilson

Excused

Jose J. Armas

Board Chair Claudia Puig, Board Vice Chair Jorge L. Arrizurieta, Trustee Leonard Boord, and University President Mark B. Rosenberg were also in attendance.

Committee Chair Alvarez welcomed all Trustees, and University faculty and staff to the meeting. He sent his regrets as he was unable to attend in person and thanked Vice Chair Natasha Lowell for chairing the Committee's meeting.

Provost and Executive Vice President Kenneth G. Furton provided several administrative updates including the appointment of Dr. Kevin Coughlin, Jr. as Interim Vice President for Enrollment Management and Services, Dr. Juan Carlos Espinosa as Interim Dean of the Honors College, and Dr. Michael Cheng as Interim Dean of the Chaplin School of Hospitality and Tourism Management. He reported that following a decade of path-breaking leadership and program initiatives, Founding Dean of the Herbert Wertheim College of Medicine and Senior Vice President for Health Affairs Dr. John A. Rock will step down once a new dean is selected and in place. Provost Furton added that searches for permanent appointments for these positions will be conducted.

2. Approval of Minutes

Committee Vice Chair Lowell asked that the Committee approve the Minutes of the meeting held on June 2, 2017. A motion was made and passed to approve the Minutes of the Academic Policy and Student Affairs Committee Meeting held on Friday, June 2, 2017.

3. Action Items

AP1. Tenure Nomination

Committee Vice Chair Lowell noted that the candidate for tenure as a condition of employment, Christina Palacios, Ph.D., was selected based on the caliber of her scholarly work. Provost Furton provided an overview of Dr. Palacios' scholarly and academic achievements.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the Board of Trustees approve the candidate for tenure as a condition of employment.

AP2. Textbook and Instructional Materials Affordability Annual Report

Vice President for Academic Affairs Elizabeth M. Bejar presented the Textbook and Instructional Materials Affordability Annual Report for Committee review. She stated that effective July 2016, the Education Access and Affordability Act was passed requiring the Florida Board of Governors and the State Board of Education to annually identify strategies to promote college affordability. VP Bejar mentioned that at the last meeting of the Academic Policy and Student Affairs Committee on June 2, 2017, amendments to FIU Regulation 1103, Textbook Affordability were approved. She added that the amendments state in detail FIU's institutional practices in compliance with state law.

VP Bejar noted that the Board of Governors requires State University System institutions to conduct analyses of pricing and selection processes and that pricing variances of \$ 200 or more between course sections of the same course must be identified. She noted three instances and explained the justification for each. Approximately a quarter of FIU's courses do not require any course materials for purchase at all as these are courses where instructors opt to use Open Educational Resources and other materials that do not have a cost for students. VP Bejar stated that FIU has collaborated with a nonprofit ed tech initiative OpenStax and that FIU is one out of 11 institutions across the nation selected to be part of the partnership cohort, adding that the initiative serves to highlight electronic resources and lower cost materials. She noted that OpenStax partner schools are expected to generate \$8.2 million in textbook savings for students across the country.

VP Bejar reported that the University's Affordability Counts program, which was launched in June 2016, encourages faculty to commit to lowering course materials to a total cost of \$60 or less for a three-credit course. She noted that in the current semester, over 100 faculty members are participating in this program.

In response to Vice Chair Lowell's inquiry regarding student feedback on textbook affordability, VP Bejar stated that University leaders are working with student government and surveying students in order to address growing concerns over the rising costs of textbooks. VP Bejar added that the students who participate in OpenStax provide positive feedback.

In response to Trustee Arrizurieta's inquiry regarding courses and online programs that utilize digital content, VP Bejar noted that instructional and learning resources do not always refer to textbooks, as there are websites that permit, through the use of codes, access to e-resources. In response to Board Chair Claudia Puig's inquiry as to how the University's textbook costs and affordability measures compare to peer institutions, VP Bejar stated FIU's faculty and leadership are actively collaborating to transform course materials by promoting low-cost textbook solutions.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the Board of Trustees approve the Textbook and Instructional Materials Affordability Annual Report.

AP3. New Program Proposal: Limited Access Bachelor of Business Administration in Business Analytics

VP Bejar presented the proposed Limited Access Bachelor of Business Administration in Business Analytics for Committee review, explaining that the program is proposed as a 120 credit undergraduate degree that will focus on developing the essential skills required to pursue careers in data or as quantitative analysts. She reported that Business Analytics is considered to be one of the best jobs in America with a growth rate above forty percent through 2022 and that students who have previously completed either the minor or the track within the Management Information Systems (MIS) have been hired locally by numerous employers in South Florida including Baptist Healthcare systems, Carnival Cruise Lines, APMG, Price Water House Coopers, and many banking financial institutions. She explained that students are required to meet a minimum GPA standard prior to admission into this major.

In response to Trustee Dean C. Colson's inquiry regarding the gateway course prerequisites, VP Bejar described the gateway courses as Business Calculus, Quantitative Methods in Business, and Statistics. Assistant Dean for Undergraduate Affairs for the College of Business Richard E. Klein, Jr., explained that gateway courses can be a roadblock for many students, noting that the College has been working closely with other departments in order to improve gateway course success.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend Board of Trustees approval of the Limited Access Bachelor of Business Administration in Business Analytics (CIP 52.1301) new program proposal.

AP4. New Program Proposal: Master of Science in Logistics and Supply Chain Management

VP Bejar presented the proposed Master of Science in Logistics and Supply Chain Management for Committee review. She explained that the proposed Master of Science in Logistics and Supply Chain Management degree will prepare students for managerial careers in logistics and supply chain management industry which is at the forefront of South Florida. She added that the proposed Master's Degree is an accelerated ten month degree that will provide rigorous graduate education focused on three areas of logistics that are demanded by today's business environment, mainly logistics technology, data analytics, and distribution modeling. VP Bejar also explained that as a logistics hub, South Florida requires graduates to have these skills, which are underrepresented in that arena and yet are necessary for the success of corporate, non-profit, and government organizations at all levels (i.e., locally, state-wide, nationally, and globally). She stated that in the

current marketplace there are a number of diverse employment opportunities that exist for these graduates.

A motion was made and passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend Board of Trustees approval of the Master of Science in Logistics and Supply Chain Management (CIP 52.0203) new program proposal.

4. Information/Discussion Items *(No Action Required)*

4.1 Academic Affairs Regular Reports

Committee Vice Chair Natasha Lowell requested that the Academic Affairs Regular Reports within the information items be accepted as written. There were no objections.

5. New Business

No new business was raised.

6. Concluding Remarks and Adjournment

With no other business, Committee Vice Chair Natasha Lowell adjourned the meeting of the Florida International University Board of Trustees Academic Policy and Student Affairs Committee meeting on Friday, December 8, 2017 at 10:58 a.m.

There were no Trustee Requests.

KS December 18, 2017

THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
Academic Policy and Student Affairs Committee
February 27, 2018

Subject: Honorary Degree Nomination

Proposed Committee Action:

Recommend that the Florida International University Board of Trustees endorse Ms. Georgia Tasker as a recipient of a doctoral degree *honoris causa* from Florida International University.

Background Information:

The nomination was recommended by the Faculty Senate on Tuesday, June 13, 2017.

The nominee was approved by the University President and Provost to receive an honorary degree.

Florida Board of Governors Regulation 3.004, Honorary Degrees, provides that each university board of trustees shall establish policies and procedures for recommending candidates for honorary degrees.

Supporting Documentation: Honorary Degree Bio for Ms. Georgia Tasker
Nomination letter for Ms. Georgia Tasker

Facilitator/Presenter: Kenneth G. Furton

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... INTEGRATING KNOWLEDGE, UNDERSTANDING SCIENCE

12 October 2016

Dear Colleagues on the Honorary Degrees and Awards Committee,

I write to nominate a remarkable woman, Georgia Tasker, for an honorary doctorate in Arts, Sciences, and Education from Florida International University. For the last four decades Georgia has been an influential columnist and writer about local and global issues, from south Florida gardening and native plants, to rainforest conservation and global climate change, as first the garden writer for the Miami Herald, and later as a writer on the staff of Fairchild Tropical Botanic Garden. Her books have educated many about a number of plant-related topics, and her articles, columns, and blogs have reached the world with information about our special place on the planet as well as important issues about which everyone should be aware, and take personal action.

Georgia Tasker is a graduate of our certificate program in Tropical Commercial Botany, taking courses with David Lee in the 1980s and interacting with other botanists and environmental studies faculty and students at that time. She has interacted with many of us over the years, contacting us for discussions or interviewing us for various of her articles, and a constant presence at seminars and conferences on botanical and environmental topics. When FIU hosted the first National Rainforest Alliance conference in the late 1980s, articles by Georgia Tasker helped boost attendance and community participation in this event. Before it was fashionable to care about bees and pollinators, Georgia was writing articles in the Miami Herald to draw our attention to their importance and their plight in an increasingly pesticide-laden world. Her articles are always supported by personal travels to points of interest, and her words resound with feeling and scientific accuracy as she interacts with scientists and other practitioners as she investigates a topic.

I submit her CV and some of the publication highlights of this prolific author to support this nomination. The faculty of the department of Biological Sciences join me in signing this letter of nomination that I am submitting to the Honorary Degrees and Awards Committee. Thank you very much for considering this nomination, and best wishes on your deliberations.

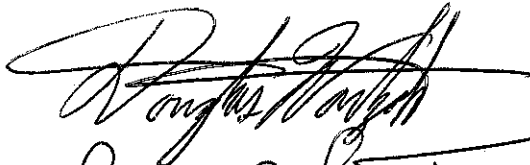
Sincerely,



Suzanne Koptur, Professor and Co-Director, QBIC program

(This page, signatures from the MMC campus; next page, signatures from BBC.)

Faculty supporting the nomination of Georgia Tasker for an honorary doctorate:




Bradley C. Bennett

Kirsten L. Funder

Jamie Richardson



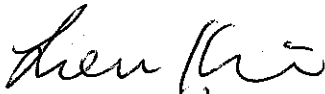
John Mahomson



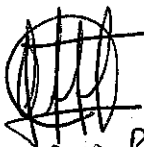
FERNANDO G. NORIEGA



Jessica Liberles



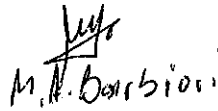
Lou Kim



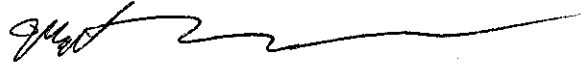
Mauricio Rodriguez-Lanetty



Steven F. Oberkane



M. Barbieri



Kathy Cullen

Paul Shay

John J. Cozza (John Cozza)

John Evans

Marcy Kavee

Sarah Eddy



Jennifer H. Richards

Faculty supporting the nomination of Georgia Tasker for an honorary doctorate:

Richard Burr (Richard BRINN) SENIOR LECTURER

Maurice Walter SENIOR INSTRUCTOR

Joel Mel (J. TREXLER) Professor

Edel (T. CROWL) Prof & Director

Y. Papastamatiou Assistant Professor Yannis Papastamatiou

Heather Bracken Assistant Professor Heather Bracken

Mark Harboing (A. HARBOING) Assistant Professor

Y. Zhang (Y. Zhang) Assis. Prof.

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Personal:

Georgia Tasker

Education:

BA cum laude, Hanover College, Hanover, Indiana 1966

Some graduate work in English at the University of Dayton, Ohio 1966-67

Certificate in Tropical Commercial Botany, Florida International University, 1984

Experience:

Writer, Dayton Daily News, 1966-69

Writer, The Miami Herald, 1969-2009

Writer, photographer, Fairchild Tropical Botanic Garden, 2009-present

Books:

Wild Things, The Return of Native Plants, 1984, Florida Native Plant Society

Enchanted Ground, Gardening With Nature in the Subtropics, 1994, Andrews and McMeel

Florida Gardener's Guide, co-author with Tom McCubbin, Cool Springs Press, 1997

Florida, Getting Started Garden Guide, co-author with Tom McCubbin, Cool Springs Press 2013

Handbooks:

Gardening With Fairchild: Gardening with Kids, 2009

Gardening With Fairchild: Butterfly Gardening in South Florida, 2010

Gardening With Fairchild: Growing Orchids in South Florida, 2010

Gardening With Fairchild: Aroids, 2015

Awards:

Green Palmetto Award, Florida Native Plant Society, 1984

Pulitzer Prize finalist, Tropical Deforestation, 1987

Best Individual Reporting on Population, Population Institute, 1987

Knight Journalism Fellow, Stanford University, 1987-88

Selected journalist for UNICEF tour of Central America, 1988

Grant, Council for the Advancement of Science Writing to study agriculture in Mexico, Central and South America, 1991

Media Award of Greatest Merit, Florida Urban Forestry Council, for saving trees after Hurricane Andrew, 1993

Barbour Medal for Vision and Unselfish Devotion to the Preservation of That Vanishing Eden, South Florida, awarded by Fairchild Tropical Botanic Garden, 1997

Lifetime Achievement Award, Tropical Audubon Society, 2002

Fellowship from Knight Center for Environmental Journalism, University of Michigan, to study climate change in Alaska 2008

Pasttimes:

Gardening

Photography

Travel

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THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
Academic Policy and Student Affairs Committee
February 27, 2018

Subject: New Program Proposal: Bachelor of Arts in Biological Sciences

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the New Program Proposal: Bachelor of Arts in Biological Sciences (CIP 26.0101).

Background Information:

The Department of Biology at Florida International University is proposing a new Bachelor of Arts degree in Biological Sciences under the Science, Technology, Engineering, and Mathematics (STEM) CIP code 26.0101. Biology is the foundation for many disciplines, and as a result, biological knowledge is critical for many careers, such as lab operation and management, genetic counseling, environmental and health law, forensics, health care specialists, health policy, and science journalism. Compared to an overall projected increase of 13.7% in the next 8 years across all jobs in Florida, the Florida Department of Economic Opportunity (FDEO) projects an increase in health, therapy, and life science technicians, technologists and aides in some fields to exceed 30% over the next eight years. Today, we cannot anticipate all the jobs that will be created in the next eight years.

Each university board of trustees shall approve for implementation new degree programs at the bachelor's, master's, advanced master's, and specialist levels in accordance with Florida Board of Governors Regulation 8.011 – *Authorization of New Academic Degree Programs and Other Curricular Offerings*.

Supporting Documentation: Executive Summary: Bachelor of Arts in Biological Sciences (CIP 26.0101) New Program Proposal

Facilitator/Presenter: Elizabeth M. Bejar

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New Degree Proposal: Bachelor of Arts in Biological Sciences
College of Arts, Sciences and Education

EXECUTIVE SUMMARY

The Department of Biology at Florida International University is proposing a new Bachelor of Arts degree in Biological Sciences under the Science, Technology, Engineering, and Mathematics (STEM) CIP code 26.0101. A degree in Biology opens doors to many careers as well as to medical school and biology graduate studies. The 120 credit Bachelors of Arts (B.A.) in Biology will provide a degree for those students interested in biology-related fields that provide more specific career options not addressed within the current B.S. in Biology. The proposed program will provide specialized tracks that allow students the flexibility to choose among several potential career areas of emphasis, including scientific illustration, writing, and communication, health environmental policy, pre-law, business, pre-athletic training, pre-occupational therapy, and pre-physical therapy. Students may also design a more individualized area of study, with the approval of an advisor.

Biology is the foundation for many disciplines, and as a result, biological knowledge is critical for many careers, such as lab operation and management, genetic counseling, environmental and health law, forensics, health care specialists, health policy, and science journalism. Compared to an overall projected increase of 13.7% in the next 8 years across all jobs in Florida, the Florida Department of Economic Opportunity (FDEO) projects an increase in health, therapy, and life science technicians, technologists and aides in some fields to exceed 30% over the next eight years. Today, we cannot anticipate all the jobs that will be created in the next eight years. The reality of the current job market is that many careers require expertise in multiple areas and offers increased interdisciplinary opportunities. The proposed degree recognizes and prepares for this reality. The collaboration among departments engendered by this degree will lead to new possibilities for internship both place bound and online, research, development and job creation.

The Biology B.A. also addresses the complex needs of a community of students, who often have multiple responsibilities, by offering courses as face-to-face, hybrid and online, with the potential of completing the degree wholly online beginning Fall 2019. A survey conducted during Spring 2017 of undergraduate students indicated that 40.1% (n=502) of the 1252 students who responded would prefer a B.A. over the B.S. in Biology. Of these 1252 students, only 358 were biology majors, all other respondents had declared majors ranging from Psychology to English to Recreation Management. Given this, in addition to our enrollment growth over the previous five years, we estimate enrollment in the Biology B.A. will be approximately 100 in the first year and as high as 800 within 5-10 years.

Implementation Timeframe	Projected Enrollment (From Table 1)	
	HC	FTE
Year 1	225	190
Year 2	325	280
Year 3	500	430
Year 4	650	580
Year 5	800	720

Projected Program Costs (From Table 2)				
E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
\$1,405	\$267,000			\$267,000
\$989	\$711,966			\$711,966

THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
Academic Policy and Student Affairs Committee
February 27, 2018

Subject: New Program Proposal: Bachelor of Arts in Sustainability and the Environment

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the New Program Proposal: Bachelor of Arts in Sustainability and the Environment (CIP 03.0103).

Background Information:

The B.A. in Sustainability and the Environment is currently offered by the Department of Earth and Environment under an Environmental Studies CIP Code (CIP 03.0103). The purpose of this proposal is to establish the current B.A. in Sustainability and the Environment in the unique CIP Code for Sustainability Studies (CIP 30.3301) to allow continued curriculum development and specialization for sustainability. Of the three collaborative content areas identified in the FIU *Beyond Possible 2020* Strategic Plan, the most direct connection of the B.A. in Sustainability and the Environment is to *Environment* where students, through their coursework, internships and research collaborations participate in FIU's mission to "help the community to enhance community sustainability". According to EmployFlorida.com, "Employment of environmental scientists and specialists is projected to grow 11 percent from 2014 to 2024, faster than the average for all occupations.

Each university board of trustees shall approve for implementation new degree programs at the bachelor's, master's, advanced master's, and specialist levels in accordance with Florida Board of Governors Regulation 8.011 – *Authorization of New Academic Degree Programs and Other Curricular Offerings*.

Supporting Documentation: Executive Summary: Bachelor of Arts in Sustainability and the Environment (CIP 03.0103) New Program Proposal

Facilitator/Presenter: Elizabeth M. Bejar

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New Degree Proposal: Bachelor of Arts in Sustainability and the Environment
College of Arts, Sciences and Education

EXECUTIVE SUMMARY

The B.A. in Sustainability and the Environment is currently offered by the Department of Earth and Environment under an Environmental Studies CIP Code (CIP 03.0103). With the recognition that sustainability has gained preeminence in the twenty-first century, the B.A. in Environmental Studies (established in the 1970s) was revised and renamed the B.A. in Sustainability and the Environment in the Fall of 2013. Although now substantially different from the B.S. in Environmental Studies, the B.A. in Sustainability remained within the original CIP 03.0103. The purpose of this proposal is to establish the B.A. in Sustainability and the Environment in the unique CIP Code for Sustainability Studies (CIP 30.3301) to allow continued curriculum development and specialization for sustainability. Both the B.S. and B.A. degrees will exist, but in different CIP codes, thus resulting in one more baccalaureate program in the Board of Governors degree inventory. Although this is an existing degree, the Board of Governors requires a new degree proposal to be approved by the Board of Trustees in order to accomplish the department's goal to change the CIP Code.

The total number of credit hours for the B.A. in Sustainability and the Environment is 120 credits. This includes the UCC requirements, other university requirements, and discipline-related electives. The B.A. in Sustainability and the Environment is offered both as a campus-based degree, and a fully online degree. Students participating in the degree on campus can select from face-to-face, hybrid and online courses. Novel pedagogies, such as the inverted classroom and experiential learning activities have been developed for both fully online and campus-based students. Once the B.A. in Sustainability moves into the CIP for Sustainability Studies with continued curriculum development, we are projecting a five-year enrollment of more than 200 students with the majority of them in the fully online degree program. This estimate is based on enrollments trends from Fall 2015-Fall 2017. During that period total enrollment has grown from 82 to 121 majors, with the greatest increase occurring in the fully online degree.

Sustainability has a broad scope; however, the definition of sustainability most often cited is from the World Commission on Environment and Development (Brundtland Commission, 1987): "Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs." The goal is to support economic development, but in an environmentally responsible way. The B.A. in Sustainability and the Environment is designed to allow students to gain a foundation in environmental science and natural resource management followed by a focused study in a minor, certificate or a careful selection of courses to give them specialized knowledge and skills for their future career and

studies. Students combine their studies with internships leading to careers with conservation organizations, national and state parks, federal agencies (USDA), local government sustainability offices and consulting companies. Students interested in starting sustainable businesses can take advantage of small business incubators and studies in entrepreneurship.

Of the three collaborative content areas identified in the FIU *Beyond Possible 2020* Strategic Plan, the most direct connection of the B.A. in Sustainability and the Environment is to *Environment* where students, through their coursework, internships and research collaborations participate in FIU's mission to "help the community to enhance community sustainability". Of the students enrolled in the Fall of 2017, 77% reside in Miami-Dade County and the demographic distribution of students in the degree mirrors that of FIU as a whole.

According to EmployFlorida.com, "Employment of environmental scientists and specialists is projected to grow 11 percent from 2014 to 2024, faster than the average for all occupations. Heightened public interest in the hazards facing the environment, as well as the increasing demands placed on the environment by population growth, is expected to spur demand for environmental scientists and specialists."

Implementation Timeframe	Projected Enrollment (From Table 1)		Projected Program Costs (From Table 2)				
	HC	FTE	E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
Year 1	130	107	\$7,662	\$496,989			\$496,989
Year 2	149	123					
Year 3	171	142					
Year 4	195	163					
Year 5	233	196	\$3,847	\$755,610			\$755,610

* KPMG International, Corporate Sustainability, A progress report, 2011, <http://www.kpmg.com/Global/en/IssuesAndInsights/ArticlesPublications/Pages/corporate-sustainability.aspx>

**THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES**

Academic Policy and Student Affairs Committee

February 27, 2018

Subject: New Program Proposal: Bachelor of Business Administration in Logistics and Supply Chain Management

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the New Program Proposal: Bachelor of Business Administration in Logistics and Supply Chain Management (CIP 52.0203).

Background Information:

The College of Business at Florida International University is proposing a new Bachelor of Business Administration in Logistics and Supply Chain Management (CIP 52.0203). This new undergraduate STEM Degree will provide undergraduate students with in-depth knowledge of logistics and supply chain concepts, best practices, and current tools of the trade that will enhance their career opportunities with respect to local, national, and international organizations. This degree aligns with FIU and State University System (SUS) strategic plans in that it will increase STEM degrees, STEM research, and increase the local, state, and national workforce with well-trained graduates from a Hispanic-serving institution.

Each university board of trustees shall approve for implementation new degree programs at the bachelor's, master's, advanced master's, and specialist levels in accordance with Florida Board of Governors Regulation 8.011 – *Authorization of New Academic Degree Programs and Other Curricular Offerings*.

Supporting Documentation: Executive Summary: Bachelor of Business Administration in Logistics and Supply Chain Management (CIP 52.0203) New Program Proposal

Facilitator/Presenter: Elizabeth M. Bejar

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**New Degree Proposal: Bachelor of Business Administration in Logistics and Supply Chain Management
(CIP 52.0203)**

College of Business

Executive Summary

In today's global economy, the vast majority of businesses require the movement of information, finished goods, raw materials, supplies, and people to fulfill the organization's goals and to provide benefits to the communities the organization serves. This movement of human, physical, and informational capital involves the field of logistics and supply chain management. A new undergraduate STEM Degree in Logistics and Supply Chain Management will provide undergraduate students with in-depth knowledge of logistics and supply chain concepts, best practices, and current tools of the trade that will enhance their career opportunities with respect to local, national, and international organizations. In addition, this degree aligns with FIU and SUS strategic plans in that it will increase STEM degrees, STEM research, and increase the local, state, and national workforce with well-trained graduates from a Hispanic-serving institution.

The proposed Bachelor of Business Administration in Logistics and SCM degree will prepare students for careers in this specific industry. The degree will have a unique focus on a variety of hard and soft skills, such as, logistics technology, data analytics, optimization modeling, vendor negotiations, customs compliance, inventory, transportation, and distribution management. This degree is a 120-credit undergraduate BBA in Logistics and SCM degree, with 60 hours of lower division study to include the State University System (SUS) of Florida's Business Prerequisite Courses, 27 hours of upper division Business Core courses, 21 hours of major coursework, and 12 hours of electives. The BBA in Logistics and SCM will be offered at Florida International University's Modesto A. Maidique Campus. Certain courses within the pre-core and core will be offered at the Biscayne Bay Campus and FIU at I-75; however, full completion of the degree will not be attainable at these locations. The delivery method for courses within this degree will consist of face-to-face, hybrid, and fully online courses. The program will also be offered as a completely online degree.

The Marketing and Logistics Department within the College of Business currently offers a Major (within Management BBA), Minor, and Certificate in Logistics and SCM; however, a separate four year degree program will make students more competitive in the job market. Student interest for a BBA in Logistics and SCM program is evident as observed by data collected from prospective and current students, as well as, enrollment numbers in our undergraduate major, minor, and certificate programs. We currently have 89 students enrolled in the Logistics and SCM Major, 12 students

enrolled in the Logistics and SCM Minor, and 68 students enrolled in the Import-Export and SCM Certificate. Survey results indicate that most of these students will transfer over into the new degree program once it has been approved and put into effect. This transfer to the new degree will not change student's time to graduation, credit hours, or cost since the new degree requirements are identical to the current major.

Logistics and SCM is a growing field, and there is a larger demand than there is supply. "Logistics alone accounts for more than 9.5% of U.S. Gross Domestic Product and over **\$1.3 trillion** is spent on transportation, inventory, and related logistics activities."

("Finding the Right Career," Council of Supply Chain Management Professionals, CSCMP.)

http://cscmp.org/CSCMP/Develop/Starting_Your_SCM_Career/Find_Right_Career/CSCMP/Develop/Starting_Your_Career/Finding_the_Right_Career.aspx?hkey=179f0d0b-7f61-4afa-a780-95c80873df13 Potential employers range from traditional manufacturers and retailers to supply chain specialists like consulting firms and transportation service providers. Another Supply Chain Management employment option is the \$110 billion third party logistics (3PL) industry. Additional employment opportunities include consulting companies, universities and educational institutions, government agencies, and service companies. Graduates may also continue their education with graduate degrees throughout the state by obtaining a MS in Logistics and Supply Chain Management at FIU or an MBA with a concentration in Supply Chain Management (Florida Tech, Florida A & M University, UF, and FSU).

Implementation Timeframe	Projected Enrollment (From Table 1)	
	HC	FTE
Year 1	50	41
Year 2	80	68
Year 3	110	94
Year 4	150	130
Year 5	200	172

Projected Program Costs (From Table 2)				
E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
\$4,791	\$196,439			\$196,439
\$1,517	\$260,904			\$260,904

**THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES**

Academic Policy and Student Affairs Committee

February 27, 2018

Subject: New Program Proposal: Bachelor of Science in Crime Science

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the New Program Proposal: Bachelor of Science in Crime Science (CIP 43.0111).

Background Information:

The Department of Criminal Justice in the School of International and Public Affairs at Florida International University is proposing a new Bachelor of Science degree in Crime Science (BSCS) under STEM CIP code 43.0111. The BSCS is a 120-credit undergraduate degree and will be the first of its kind within the SUS and the nation. The proposed degree will be available fully online and onsite. The proposed BSCS assists FIU in achieving its objective of having a greater influence on the region and in improving the visibility and stature of the university within the state and local community. As one of the highest enrolled universities in the country, FIU is currently the largest producer of criminal justice degrees among Hispanic students. Having the first BS in Crime Science in the U.S will further enhance FIU's reputation as a leader in criminal justice.

Each university board of trustees shall approve for implementation new degree programs at the bachelor's, master's, advanced master's, and specialist levels in accordance with Florida Board of Governors Regulation 8.011 – *Authorization of New Academic Degree Programs and Other Curricular Offerings*.

Supporting Documentation: Executive Summary: Bachelor of Science in Crime Science (CIP 43.0111) New Program Proposal

Facilitator/Presenter: Elizabeth M. Bejar

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New Degree Proposal: Bachelor of Science in Crime Science
School of International and Public Affairs

EXECUTIVE SUMMARY

The Department of Criminal Justice in the School of International and Public Affairs at Florida International University is proposing a new Bachelor of Science degree in Crime Science (BSCS) under STEM CIP code 43.0111. The BSCS is a 120-credit undergraduate degree and will be the first of its kind within the SUS and the nation. The proposed degree will be available fully online and onsite.

Recent technological developments in law enforcement have had far-reaching effects on police agencies. Information technology, DNA testing, and bullet-resistant vests, for instance, are now common and have become critical tools in law enforcement. Contemporary concerns over homeland security and counterterrorism have also created new technological problems and demands for police agencies, as has the growth of computer-related crime. The proposed degree will produce graduates with sophisticated analytical skills needed for the new era of law enforcement within the U.S. and abroad.

The BSCS is aimed at students with an interest in crime control and who wish to pursue employment as criminal intelligence and crime analysts, police officers and detectives, criminal investigators and special agents, and private investigators. The job outlook for crime analysts is quite favorable. According to the International Association of Crime Analysts (IACA), the demand for qualified crime analysts has increased more than tenfold in the past 15 years. It will continue to increase even more over time as law enforcement further comes to realize the potential of sophisticated data gathering and analysis. Crime analysts in all fields earned a median salary of \$77,210 in 2015 with 28,300 job openings anticipated through 2024. In addition to tremendous employment opportunities, the proposed BSCS program also would serve as a pipeline for graduate education into our MS in Criminal Justice and PhD in International Crime and Justice.

Student demand for the proposed BSCS is based on student enrollments and survey data. First, Florida Gulf Coast University (FGCU), which offers the only BS degree in CIP 43.0111 within the Florida SUS, enrolled 299 students in their onsite BS in Forensics Studies (BSFS) in the Fall of 2016 and produced 55 degrees in AY 2015-16. Their enrollments have increased 42% since the Fall of 2011. Once the proposed program is established, we anticipate significantly higher enrollments than FGCU because of FIU's location in Miami-Dade County and because the BSCS will be offered fully online and onsite. Second, we expect student demand based on enrollments in our BSCJ program, which is also available online and onsite. In the Fall of 2017, the BSCJ enrolled 1,617 majors with 52% of student credit hours (SCH) generated in the online classes. Finally, in the Fall of 2017, we administered an online survey to undergraduate majors in

criminal justice. Of the 242 respondents, 83% indicated that they would have selected the proposed BSCS if it were available at FIU. Although this figure seems high, it is important to recognize that some criminal justice majors may not have the math and science background to complete the proposed STEM degree.

The proposed BSCS assists FIU in achieving its objective of having a greater influence on the region and in improving the visibility and stature of the university within the state and local community. This situation can serve as a recruitment tool for the program and university to help augment student enrollments in the STEM area, especially among women, Black and African-American students, and Hispanic students. As one of the highest enrolled universities in the country, FIU is currently the largest producer of criminal justice degrees among Hispanic students. Of the 1,808 FIU students enrolled in criminal justice in 2016, 66% were Hispanic, 19% were Black and African American, and 59% were female. Additionally, having the first BS in Crime Science in the U.S will further enhance FIU's reputation as a leader in criminal justice.

Implementation Timeframe	Projected Enrollment (From Table 1)		Projected Program Costs (From Table 2)				
	HC	FTE	E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
Year 1	245	199	\$1,765	\$345,893	0	0	\$345,893
Year 2	298	238					
Year 3	351	281					
Year 4	404	323					
Year 5	457	366	\$981	\$358,677	0	0	\$358,677

THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
Academic Policy and Student Affairs Committee

February 27, 2018

Subject: Facility Security Clearance; Update to Exclusion of Certain Directors and Officers

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval to adopt a Resolution that updates the exclusion list of the named members of the FIU Board of Trustees from the requirements for a personnel security clearance

RESOLUTION

WHEREAS, the Florida International University ("FIU") Board of Trustees adopted the following resolution dated September 7, 2017 entitled "Facility Security Clearance; Exclusion of Certain Directors and Officers" (the "Facility Security Clearance Resolution") related to the then composition of the Board of Trustees:

BE IT RESOLVED, that the following Board of Trustees members shall not require, shall not have, and can be effectively excluded from access to all classified information in the possession of FIU, and do not occupy positions that would enable them to adversely affect FIU's policies or practices in the performance of classified contracts for the DoD or other agencies of the National Industrial Security Program. As such, they are excluded from the requirements for a personnel security clearance.

Claudia Puig	Trustee, Chair
Jorge L. Arrizu[r]ieta	Trustee, Vice Chair
Cesar L. Alvarez	Trustee
Jorge J. Armas	Trustee
Leonard Boord	Trustee
Dean C. Colson	Trustee
Gerald C. Grant, Jr.	Trustee
Michael G. Joseph	Trustee
Natasha Lowell	Trustee
Justo L. Pozo	Trustee
Marc D. Sarnoff	Trustee
Krista M. Schmidt	Trustee
Kathleen L. Wilson	Trustee

WHEREAS, the composition of the FIU Board of Trustees has changed since the adoption of the Facility Security Clearance Resolution in that the term of Jorge L. Arrizurieta, as a Trustee on the Board of Trustees, ended on January 6, 2018, and the Board of Governors appointed Rogelio Tovar to succeed Mr. Arrizurieta, as an FIU Trustee, to a term commencing on January 6, 2018 and ending on

January 6, 2023. Accordingly, an update to the Facility Security Clearance Resolution is needed to reflect the current composition of the FIU Board of Trustees.

NOW THEREFORE, BE IT RESOLVED, that the following Board of Trustees members shall not require, shall not have, and can be effectively excluded from access to all classified information in the possession of FIU, and do not occupy positions that would enable them to adversely affect FIU's policies or practices in the performance of classified contracts for the Department of Defense (DoD) or other agencies of the National Industrial Security Program. As such, they are excluded from the requirements for a personnel security clearance.

Claudia Puig	Trustee, Chair
Cesar L. Alvarez	Trustee
Jorge J. Armas	Trustee
Leonard Boord	Trustee
Dean C. Colson	Trustee
Gerald C. Grant, Jr.	Trustee
Michael G. Joseph	Trustee
Natasha Lowell	Trustee
Justo L. Pozo	Trustee
Marc D. Sarnoff	Trustee
Krista M. Schmidt	Trustee
Rogelio Tovar	Trustee
Kathleen L. Wilson	Trustee

This action is in the form of a resolution to take effect immediately upon adoption.

Adopted this 27th date of February 2018 by the Board of Trustees of Florida International University.

Claudia Puig
Chair
FIU Board of Trustees

Mark B. Rosenberg
Corporate Secretary
FIU Board of Trustees

Supporting Documentation: None

Facilitator/Presenter: Kenneth G. Furton

**THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES**

Academic Policy and Student Affairs

February 27, 2018

Subject: Public Safety and Emergency Management Facilities Expansion

Proposed Committee Action:

Recommend to the Florida International University Board of Trustees approval of the expansion of space within Parking Garage 5 “Market Station” (PG-5) to provide additional hardened space for Public Safety and Emergency Management Operations including offices, emergency operations center, planning conference breakout/meeting rooms, locker room and showers, storage, and sleeping space.

Background Information

Prior to 2011, FIU Public Safety and Emergency Management Operations were located at the abandoned Tamiami Airport Air Traffic Controller’s Tower located at the center of the Modesto A. Maidique campus. This facility, which was the site of the first meeting FIU President Charles Perry had with three community leaders to help create the vision he had for FIU (and hence considered the “birthplace” of FIU), had never been significantly renovated and was in is very poor condition and unsuitable for occupancy. Utilizing appropriated Public Education Capital Outlay (PECO) funding, FIU was able to incorporate Public Safety and Emergency Management Operations into the construction of Parking Garage 5. Funding at the time was insufficient to accommodate the space needs for these essential operations dedicated to the safety and security of FIU students, faculty, staff and visitors, and the need for space is even greater today with the expanded importance of public safety and emergency management in today’s environment and the additional investments in officers and safety personnel made by FIU since 2010. FIU’s Police Department must be prepared to respond to spontaneous critical incidents such as bomb threats and active shooters as well as drawn out critical incidents such as hurricanes and special events. These incidents require appropriate space for planning and operations as well as for storage of the highly sensitive specialized equipment necessary to carry out these assignments. The sensitive nature of the required planning and equipment necessitates a secured facility to address this. Additionally, as reported in the Public Safety Officers Implementation Plan that was approved by the FIU Board of Trustees in September 7, 2017, FIU has increased police staffing from 47 in 2009-10 to 63 in 2017-18 and the goal is to add two additional officers per year over the next few years. The inadequacy of the current space became very evident during Hurricane Irma where we found it very difficult to efficiently deal with all of the issues impacting FIU students, faculty and staff while also addressing the sheltering and safety needs of the general population and special needs evacuees from Monroe County as well as the personnel from the Miami-Dade County Health Department, United States Public Health Services, and first responders from many counties and municipalities.

The proposed expansion will utilize approximately 9,000 square feet of space on the second floor of PG-5 just east of the existing space utilized by Public Safety and Emergency Management to provide a large emergency operations center, food storage and service operations, equipment storage, offices, conference rooms, and meeting breakout rooms. Additionally, approximately 2,500 square feet of the existing space will be reconfigured to provide for a locker room, showers, sleeping space, laundry service space, and offices that are needed during emergency events when occupied on a continuous basis, not only by Public Safety and Emergency Management personnel but also FIU essential personnel from Facilities, Information Technology, External Relations, FIU Health, Environmental Health & Safety, Parking and Transportation, Finance and Administration, and Business Services.

Total project cost, including telecommunications, professional fees for architectural/engineering services, construction management services, inspections, surveys, and furnishings and equipment is estimated at \$5,500,000, including a contingency of \$275,000. Funding will come from available unrestricted funds.

Supporting Documentation: *Public Safety/Emergency Management Space Plan*

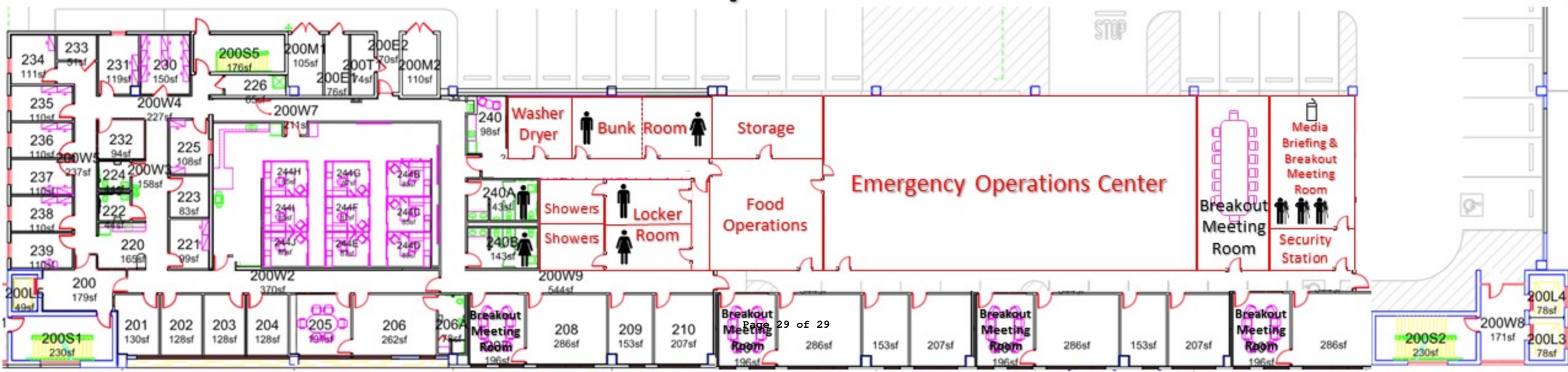
Facilitator/Presenter: Kenneth A. Jessell

EOC Expansion - Program Budget Summary					REVISED	2/7/2018
Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)	FIU MMC Construction Cost	
					\$0.00	
					\$0.00	
Institutional Support	9,000	1	9,000	\$275.00	\$2,475,000.00	
Campus Support / Infill Config. Adjustment	2,500	1	2,500	\$200.00	\$500,000.00	
Totals	11,500	-	11,500	-	\$2,975,000	
Total Construction - New					Inflated 2.5% Annually From 9/30/2017 to 9/30/2018	\$3,049,375
SCHEDULE OF PROJECT COMPONENTS						ESTIMATED COSTS
Basic Construction Cost						
1. a. Construction Cost (from above)						\$3,049,375
Add'l/Extraordinary Const. Costs						
b. Environmental Impacts/Mitigation						\$0
c. Site Preparation						\$0
d. Landscape/Irrigation						\$0
e. Plaza/Walks						\$0
f. Roadway and Parking Improvements						\$0
h. Telecommunication and Security System						\$150,000
i. Electrical Service						\$0
j. Water Service						\$0
k. Sanitary Sewer						\$0
l. Chilled Water System						\$0
m. Storm Water System						\$0
n. Emergency Chiller Upgrades						\$200,000
o. Protections for Openings 2nd Floor						\$289,290
p. Generator and Switch Gear Upgrades/Alterations						\$350,000
Total Construction Costs						\$4,038,665
2. Other Project Costs						
a. Land/existing facility acquisition						\$0.00
b1. Professional Fees - A/E DMS Fee Curve "More Than Average Complexity" (B)					7.67%	\$309,634
b2. CM Fees -Pre-Construction					1.00%	\$40,387
c. Fire Marshall Fees					0.25%	\$10,097
d. Inspection Services - total						\$120,000
* On-site representation					\$50,000	-
* Code inspections					\$70,000	-
e. Insurance Consultant					0.10%	\$4,039
f. Surveys & Tests						\$30,000
g. Permit/Impact/Environmental Fees						\$5,000
h. Artwork						-
i. Moveable Furnishings & Equipment (+/-12.43 %) -- Some Furniture & Equipment Re-Used						\$502,179
j. Project Contingency 5%						\$275,000
k. Construction Service Reimbursement						\$165,000
Total - Other Project Costs						\$1,461,335
ALL COSTS 1+2						\$5,500,000
TOTAL PROJECT COST						

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Proposed



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