Association of Florida Colleges
Council of Presidents
Friday, March 9, 2018
Tallahassee, FL

Meeting Minutes

1.0 Welcome and Remarks
At 8:50 a.m., on Friday, March 9, 2018, Dr. LoBasso called the Council of Presidents meeting to order.

The following members of the Council of Presidents were present: (proxy)

Dr. Sarah Clemmons
Dr. Tom LoBasso
Mr. Jim Richey
Dr. Lawrence Barrett
Dr. Cynthia Bioteau (Dr. John Wall)
Dr. John Holdnak
Dr. Ed Massey
Dr. Stanley Sidor
Dr. Eduardo Padron (Dr. Lenore Rodicio)
Mr. Devin Stephenson (Mr. John Capra)
Mrs. Ava Parker
Dr. Ed Meadows
Dr. Angela Garcia-Falconetti
Dr. Thomas Leitzel
Dr. Carol Probstfeld
Dr. Jim Murdaugh (Mr. Scott Balog)

The following were also present:

Michael Brawer
Fern Senra
Madeline Pumariega
Sean White
Dr. Carrie Henderson
Randall White
Christine Davis
Dr. Judy Bilsky
Jaqueline Skryd
Jessica Throckmorton
Andy Treadwell
Victoria Hernandez
Rachel Ondrus
Ed Woodruff
Suzanne Pridgeon
Allyce Heflin
Don Payton

2.0 Council of Presidents Minutes

2.1 Approval, Council of Presidents Minutes – February 9, 2018

Action: *Upon a motion by Dr. Holdnak and a second by Dr. Sidor, the minutes from the February 9, 2018, Council of Presidents meeting were approved unanimously.*

3.0 Report of the Chair –Dr. Tom LoBasso, Chair

3.1 Panel: *Behavioral Intervention and Collaboration with Community Based Organizations* – Moderator: Alexander C. Jordan, Deputy Director of Facilities Planning & Budgeting, Florida College System; Panelists: Brendan Cotter, Chief Revenue Officer, Social Sentinel; Mike Watkins, CEO at Big Bend Community Based Care, Inc.; Linda Karp, Lake-Sumter State College; Marjorie McGee, College of Central Florida; Doug Prevatt, College of Central Florida; Lara Zwilling, Santa Fe College

The panel was recorded by Association of Florida Colleges and is available on the AFC Facebook page as well as the AFC YouTube channel.

4.0 Report of the Chancellor, The Division of Florida Colleges – Ms. Madeline Pumariega

Chancellor Pumariega thanked the colleges who have had representatives at the Constitution Revision Commission public hearings. She shared there will be one more public hearing on Tuesday, March 13, 2018, at the University of South Florida, St. Petersburg Campus. She referred to the email that was sent by AFC to all Presidents encouraging them to draft thank you letters to commissioners for supporting Proposal 83.

Chancellor Pumariega shared that in regards to campus public safety and mental health it would be a good idea to have a recommendations drafted from the Florida College System, to help inform the Legislative Budget Request for next year, on what would be best for the colleges. Perhaps having this done by June, and focusing on five key points to share with legislators. She also referred to the Department of Education survey sent out by Dr. LoBasso that allowed presidents to provide recommendations in a public forum.

Chancellor Pumariega shared that a State Board of Education is scheduled for March 27. Dr. Leitzel will represent the Council of Presidents. Approval of the CAPE Industry Certification as well as the rule on civic literacy is on the agenda.

There will be a Phi Theta Kappa meeting in Tampa on April 6.

Chancellor Pumariega shared that the Division is waiting on the Board of Governors data and the risk data, which comes from other states, to run performance measures. Performance numbers should be available at the May State Board of Education meeting.

Chancellor Pumariega reported that the next math convening will be April 9, at St. Petersburg College.

5.0 Report from the Chancellor, Division of Career and Technical Education – Mr. Rod Duckworth

Chancellor Duckworth thanked the presidents for their work on the articulation agreements related to the Industry Certifications and Credit. The certification areas are now awaiting board approval.

Chancellor Duckworth updated the Council on the legislation concerning Career and Technical Education. He shared that one apprenticeship bill which is related to pre-apprenticeship bills is

still moving. It does not appear that it will have a large impact on the programs, other than it may provide some visibility for the programs.

Chancellor Duckworth reported that the performance funding for the CAPE Industry Funding for the Technical Center programs, was restored at $4.5 million. The certifications will still be prorated.

Chancellor Duckworth encouraged the Council to keep up with happenings in regards to apprenticeships and the work of Career Source Florida with apprenticeships and apprenticeship initiatives. He also shared that he will be working with Chancellor Pumariega to begin crafting legislation, which would take a much broader approach at how to deliver apprenticeship training programs, in preparation for the 2019 session.

6.0 Committee and Task Force Reports/Updates

6.1 Articulation Coordinating Committee – Dr. Ed Massey

Dr. Massey reported the Committee met on February 28, civic literacy and the citizenship test were the main topic. He shared that six Gold Standard and Career Pathway Articulation Agreement programs were approved. The approved programs are Aerospace, Agriculture, Building Construction Level 1 and Level 2, Electronic Engineering Technology, and Engineering Technology.

Common pre-requisites were also discussed; the Board of Governors and Division staff is continuing to look very closely at ways to standardize pre-requisites. Dr. Massey shared that recommendations had been brought to the Committee from the Faculty Committee and the Task Force Committee. The recommendations were dealing with Credit-by-Exam Scores and updates to the Statewide Articulation Agreement for Practical Nursing.

The Committee also looked at the additions and revisions to dual enrollment.

He shared that there are some third-party vendors that are involved in the electronic transfer of records. A motion was passed in support of the faster system.

6.2 Distance Learning Committee – Dr. Stan Sidor and Dr. Jonathan Gueverra

No Report

6.3 Florida College System Risk Management Consortium – Dr. Jim Henningsen and Dr. John Holdnak

No Report

6.4 Funding Formula Workgroup –Dr. Carol Probstfeld

No Report

6.5 Media and Public Relations Committee – Dr. Tom Leitzel and Dr. Jeff Allbritten

Mr. Fern Senra-James reported on behalf of the Committee. He shared that the op eds have been shared on social media as well as hand delivered to the House and Senate members. Mr. Senra-James reported that there have been two successful AFC member campaigns. One focused on the Houses funding and the other in support of the Constitution Revision Commission's Proposal 83. Moore Communications drafted several

talking points for students and speakers as well as facilitated social media efforts surrounding the support of Proposal 83.

6.6 FCSAA – Dr. Stan Sidor

Dr. Sidor referred to the report, prepared by Kelly Warren, which is available on the AFC website.

6.7 Support Council Reports – Dr. Lawrence Barrett

6.7.1 CIA – Dr. Jesse Coraggio

Dr. Coraggio reported that the Council had a successful meeting along with the Council of Student Affairs in Crystal River on February 15-16. The next scheduled meeting will be June 7-8, in Hutchinson Island. The next CIA Leadership Call is scheduled for March 21. Currently the Council is working with the Chancellor's office as well as the Florida Student Success Center on the Statewide Math Pathways Convening which will take place on April 9. A full Council report is available on the AFC website.

6.7.2 CSA – Ms. Christine Davis

Ms. Davis referred to the handout entitled, *The Role of an Advisor in the Florida College System*. The handout is available on the AFC website.

6.7.3 COBA – Mr. Joe Mazur

Mr. Randall White, Vice-President of the Council of Business Affairs, reported to the Council that COBA is currently planning a conference call to review the final appropriations bill. The next scheduled COBA meeting will be May 16-18, at Palm Beach State College. The report is available on the AFC website.

6.7.4 FCRD –Ms. Jacqueline Skryd

Ms. Skryd referred to Council report and reported on the goals listed. The Council will host its Spring Conference on April 13, at Miami Dade College. She also shared the new board members for the Council, Matt Matthews, Heather Mitchell, and Christopher Knife. Along with the report, the Grant and Foundation News and Notes, can be found on the AFC website.

7.0 AFC Report– Mr. Michael Brawer and Dr. Nika Coleman-Ferrell

Mr. Brawer reported to the Council that AFC President, Dr. Coleman-Ferrell was not in attendance as she was presenting at Gulf Coast State College, In-Service Day. He shared that the Membership Development Plan is going well and the Association is already seeing an increase in membership.

Mr. Brawer reminded the Council that the April meeting would be a teleconference. The COP Annual Meeting will be taking place June 11-12, in Tampa, in conjunction with the Florida Chamber of Commerce's, Learners to Earners Conference. The council meetings will take place at Hillsborough Community College and the COP banquet will take place at the Renaissance Tampa International Hotel. As a part of the Annual Meeting, Dr. LoBasso will pass on the title of COP Chair to President Parker, who is currently the Policy and Advocacy Chair. He encouraged the members of the Council to consider stepping up or nominating a member for the position of Policy and Advocacy Chair.

Mr. Brawer referred to the International Conference on College Teaching and Learning materials that were distributed. He highlighted the keynote speakers as well as the colleges who had presenters represented at the conference.

8.0 Other Business

Chancellor Pumariega shared the good news that Florida was again ranked as number one in higher education. Florida's leading areas were the two year completion rates, ranked number two, and affordability, ranked number 2. The only area that Florida dropped in was attainment, ranked number 30.

Dr. Meadows distributed a brochure for the Master Teacher Seminar that Pensacola State College will host July 22-26.

Dr. LoBasso adjourned the meeting of the Council of Presidents at 10:25 a.m.

Florida College System Activities Association
Report to the Council of Presidents

April 12, 2018

***Summarizing activity since March COP meeting only**

Academic Divisions

Brain Bowl: The FCSAA State Brain Bowl Tournament was March 16-17, 2018, at Chipola College. ***Congratulations to the Chipola College Blue Team, our FCSAA Brian Bowl Champions.*** Runner up is Valencia College Red Team. The David L. Ehlert High Point Scorer is Austin Goode, State College of Florida, and Coach of the Year is Ken McAferty, Pensacola State College. Brain Bowl State Advisor is Christina Dwyer, State College of Florida.

Athletic Division

Women's Basketball: The FCSAA/NJCAA Region 8 Women's Basketball Tournament was held March 8-10, 2018, at the College of Central Florida. ***Congratulations to Gulf Coast State College, our FCSAA State Women's Basketball Champion.*** State Runner up is Eastern Florida State College. Tallahassee Community College and Northwest Florida State College joined Gulf Coast in the NJCAA Division I National Women's Basketball Tournament with at-large bids. Unfortunately, all three of our women's teams were seeded in the same side of the bracket, meaning they had to knock each other out to reach the final game. As a testament to the strength of our teams, they made up three out of the four teams in quarterfinals on the right side of the bracket, with Tallahassee defeating Northwest Florida to meet Gulf Coast in the semifinal game. ***Congratulations to Tallahassee Community College for winning their 1st National Championship.*** Gulf Coast finished fourth overall. Women's Basketball State Chair is Rob Chaney, Tallahassee Community College. The full listing of Women's Basketball awards follows.

Men's Basketball: The FCSAA/NJCAA Region 8 Men's Basketball Tournament was held March 7, 9-10, 2018, at the College of Central Florida. ***Congratulations to Northwest Florida State College, our FCSAA State Men's Basketball Champion.*** State Runner up is Chipola College. Eastern Florida and Florida SouthWestern joined Northwest Florida in the NJCAA Division I National Men's Basketball Tournament with at-large bids. Northwest Florida and Florida SouthWestern fell in the quarterfinals. ***Congratulations to Eastern Florida for finishing in 3rd place nationally.*** Men's Basketball State Chair is Derrick Worrels, Hillsborough Community College. The full listing of Men's Basketball awards follows.

Upcoming FCSAA State Tournaments:
Women's Tennis: April 13-15, 2018, Sanlando Park, Altamonte Springs
Women's Softball: May 2-6, 2018, Soldier's Creek Park, Longwood
Men's Baseball: May 10-15, Joker Marchant Stadium, Lakeland

Respectfully submitted,
Kelly Warren, FCSAA Executive Director

Women's Basketball Awards

FCSAA/NJCAA Region 8 All-Tournament Team

Ganette Chism, Miami Dade; Nakiah Black, Tallahassee; LaToya Ashman, Florida SouthWestern State; Tina Stephens, Florida SouthWestern State; Brianna Lewis, Eastern Florida State; Mariah Batz, Eastern Florida State; Alexandrine Obouh-Fegue, Eastern Florida State; Shayla Bennett, Gulf Coast State; Jhileiya Dunlap, Gulf Coast State; Astou Gaye, Gulf Coast State; Janasia Law, Santa Fe; Janesha Green, Gulf Coast State

Most Valuable Player: Shayla Bennett, Gulf Coast State
Roonie Scovel Tournament Coach of the Year: Roonie Scovel, Gulf Coast State

FCSAA/NJCAA Region 8 All-State

Destiny Arvinger, Daytona State; LaToya Ashman, Florida SouthWestern; Shayla Bennett, Gulf Coast State; Edley Drawhorn, Indian River State; Jhileiya Dunlap, Gulf Coast State; Stephanie Jackson, Santa Fe; Japonica James, Tallahassee; Marcella Lamark Dos Santos, Central Florida; Alexandrine Obouh-Fegue, Eastern Florida State; Margarita Pleskevich, Broward; Cheah Rael-Whitsitt, Miami Dade; Tina Stephens, Florida SouthWestern

FCSAA Player of the Year: Shayla Bennett, Gulf Coast State
Sandy Miller Scholar Athlete Award: Nana Sule, Chipola

All-Mid-Florida Conference

First-team: Destiny Arvinger, Daytona State; Stephanie Jackson, Santa Fe; Marcella Lamark Dos Santos, Central Florida; Shakarri Mack, Central Florida; Jayla Atmore, Daytona State; Shambria Washington, Central Florida; Ivana Boyd, Santa Fe; Janasia Law, Santa Fe; Monique Bryant, Florida State College at Jacksonville; Brianna Richardson, Santa Fe

Second-team: Carmella Walker, Daytona State; Chrisana Scott, Daytona State; Kourtney Harris, Florida State College at Jacksonville; Melissa Sam, Daytona State; Mariah Preston, Florida State College at Jacksonville; Estelle Eduardo, Central Florida; Onyeka Monyei, Florida State College at Jacksonville; Kamille Pickens, Florida State College at Jacksonville; Julie Fournier, Santa Fe; Brittany Autry, Daytona State

Player of the Year: Destiny Arvinger, Daytona State
Coach of the Year: Janice Washington, Daytona State

All-Panhandle Conference

First-team: Shayla Bennett, Gulf Coast State; Japonica James, Tallahassee; Jhileiya Dunlap, Gulf Coast State; Courtajia Sanders, Chipola; Trinity Baptiste, Northwest Florida State; Valerie Nesbitt, Chipola; Georgia Gayle, Northwest Florida State; Nakiah Black, Tallahassee; Nia Johnson, Pensacola State; Jade Lewis, Northwest Florida State; Naterria Luster, Pensacola State; Astou Gaye, Gulf Coast State

Second-team: Juliunn Redmond, Tallahassee; Angela Jernigan, Northwest Florida State; Namiko Adams, Chipola; Ta'Sheanne Armstrong, Pensacola State; Mylashia Yancey, Pensacola State; Ahyiona Vason, Pensacola State; Tyra Johnson, Chipola

Player of the Year: Shayla Bennett, Gulf Coast State
Coach of the Year: Roonie Scovel, Gulf Coast State

All-Southern Conference

First-team: Cheah Rael-Whitsitt, Miami Dade; Edley Drawhorn, Indian River State; Margarita Pleskevich, Broward; Ganette Chism, Miami Dade; Vendela Danielsson, Broward; Savannah Clark, Miami Dade; Joseline Ramos, Indian River State; Taylor Jones, Palm Beach State; Caitlyn Smith, Palm Beach State; Diedra Harris, Miami Dade

Second-team: Chrystal Pressley, Palm Beach State; Reniaya Burr, Indian River State; Claudia Charles, Broward; Pernilla Sorenson, Broward; Kiara Cadore, Indian River State; Jasmyne May, Palm Beach State; Cyann Fox, Indian River State; Shay Harper, Miami Dade; Tanisha Clarke, Broward; Lydia Friberg, Palm Beach State

Player of the Year: Cheah Rael-Whitsitt, Miami Dade
Coach of the Year: Susan Summons, Miami Dade

All-Suncoast Conference

First-team: Tina Stephens, Florida SouthWestern; Alexandrine Obouh-Fegue, Eastern Florida State; LaToya Ashman, Florida SouthWestern; Brianna Lewis, Eastern Florida State; Taneria Wilson, St. Petersburg; Erna Normil, Florida SouthWestern; Mariah Batz, Eastern Florida State; Kiara Meeks, Florida SouthWestern

Second-team: Angelica Delgado, Hillsborough; Amanda Oliver, Florida SouthWestern; Claire Bady, Eastern Florida State; Arianna Macias-Zambrano, Hillsborough; Deidre Cheremond, St. Petersburg; Victoria Morales, Eastern Florida State; Josie Long, St. Petersburg; Barkha Sonkar, Hillsborough

Player of the Year: Tina Stephens, Florida SouthWestern
Coach of the Year: Kristie Ward, Florida SouthWestern

Men's Basketball Awards

FCSAA/NJCAA Region 8 All-Tournament Team

Kelvin Robinson, Northwest Florida State; Derek Funderburk, Northwest Florida State; Shamarkus Kennedy, Chipola; J.J. Miles, Chipola; Shanquan Hemphill, Florida SouthWestern State; Tremell Murphy, Florida SouthWestern State; Clayton Henry, Palm Beach State; Nathaniel Jack, Eastern Florida State; Deonte Weaver, Indian River State; Travon Broadway, St. Petersburg; Canberk Kus, Central Florida; Brandon Mahan, Chipola

Most Valuable Player: Andres Feliz, Northwest Florida State
Tournament Coach of the Year: Steve DeMeo, Northwest Florida State

FCSAA/NJCAA Region 8 All-State

Ahmed Ali, Eastern Florida State; Anthony Brown, Indian River State; Tray Boyd, Northwest Florida State; Carlos Dotson, Central Florida; Andres Feliz, Northwest Florida State; Clayton Henry, Palm Beach State; Andre Jackson, State College of Florida; Ronald Jackson, Hillsborough; Canberk Kus, Central Florida; Tremell Murphy, Florida SouthWestern; Oswald Parker, Broward; Will Robinson, Gulf Coast State

FCSAA Player of the Year: Andres Feliz, Northwest Florida State
Hal Chasey Scholar Athlete Award: Ronald Taylor, Florida State College at Jacksonville

All-Mid-Florida Conference

First-team: Ahmed Ali, Eastern Florida State; Michael Nuga, Eastern Florida State; Eli Abaev, Eastern Florida State; Silas Adheke, Eastern Florida State; Carlos Dotson, Central Florida; Canberk Kus, Central Florida; Van Turner, Jr., Central Florida; Jeff Coulanges, Daytona State; Bryce Williams, Daytona State; Ronald Taylor, Florida State College at Jacksonville; Darryll Jones, Santa Fe; D-Juan Taylor-Hodge, Santa Fe

Second-team: Alsean Evans, Santa Fe; Antwan Maxwell, Central Florida; Shaq Carter, Eastern Florida State; Karl Jeanty, Daytona State; Malik Morrow, Santa Fe; Malcolm Richardson, Florida State College at Jacksonville; Kevin Hunt, Central Florida; Corey Calloway, Daytona State; Ivan Smith, Santa Fe; Quenton Jackson, Central Florida; Josh Scott, Florida State College at Jacksonville; Nathaniel Jack, Eastern Florida State

Player of the Year: Ahmed Ali, Eastern Florida State
Coach of the Year: Jeremy Shulman, Eastern Florida State

All-Panhandle Conference

First-team: Andres Feliz, Northwest Florida State; Tray Boyd, Northwest Florida State; Will Robinson, Gulf Coast State; Brandon Mahan, Chipola; Shamarkus Kennedy, Chipola; Derek Funderburk, Northwest Florida State; Javien Williams, Tallahassee; Willesley Butler, Pensacola State; Chris Duarte, Northwest Florida State; T.J. Howard, Chipola; Corey Douglas, Tallahassee; Quadree Smith, Gulf Coast State

Second-team: Leon Freeman-Daniels, Tallahassee; Karim Ezzeddine, Northwest Florida State; Yuat Alok, Chipola; Gerald Williams, Pensacola State; Yeikson Montero, Pensacola State; C.J. Williamson, Chipola; Kelvin Robinson, Northwest Florida State; Daryl Lewis, Pensacola State; JaQuan Morris, Tallahassee; Myles McGregor, Gulf Coast State; Daniel Kiely, Gulf Coast State; Keishawn Brewton, Chipola

Player of the Year: Andres Feliz, Northwest Florida State
Coach of the Year: Steve DeMeo, Northwest Florida State

All-Southern Conference

First-team: Anthony Brown, Indian River State; Oswald Parker, Broward; Clayton Henry, Palm Beach State; D.J. Russell, Miami Dade; Deontae Weaver, Indian River State; Denzel Jenoure, Broward; Cedric Jackson, Indian River State; John Middleton, Palm Beach State; Chier Maker, Palm Beach State; Shaq Rombley, Indian River State; Elijah Hill, Miami Dade; Kimani Binder, Indian River State

Second-team: Nicodemus Payne, Broward; Kaevon Tyler, Miami Dade; Tyrone Cohen, Broward; Justin Tucker, Indian River State; Darius Allen, Palm Beach State; Malik Brevard, Palm Beach State; Deshawn Millington, Palm Beach State; Marion Williams, Broward; Connor Ferrell, Miami Dade; Montese Blake, Miami Dade; Cedric Belemene, Miami Dade; Oliver Ehrnvall, Indian River State

Player of the Year: Anthony Brown, Indian River State
Coach of the Year: Charlie Wilson, Indian River State

All-Suncoast Conference

First-team: Tremell Murphy, Florida SouthWestern; Tyler Cheese, Florida SouthWestern; ShanQuan Hemphill, Florida SouthWestern; Anthony Murphy, Florida SouthWestern; Ronald Jackson, Hillsborough; Rodney Simon, Hillsborough; Bryan Polanco, Polk State; Andre Jackson, State College of Florida; Amaru Bryant, State College of Florida; Isaiah Hammons, St. Petersburg; Glenn Miller, St. Petersburg; Travon Broadway, St. Petersburg

Second-team: Milz Tatum, Polk State; Daniel Melvin, St. Petersburg; Jacorie Archie, Hillsborough; Charles Manning, Florida SouthWestern; Derrick White, Hillsborough; Jalon Perry, St. Petersburg; Russell Daniels, Florida SouthWestern; Travon Fagan, Florida SouthWestern; Edwin Lewis, State College of Florida; Stefan Nakic, Polk State; Maddox Daniels, Florida SouthWestern; Canann Bartley, St. Petersburg

Player of the Year: Tremell Murphy, Florida SouthWestern
Coach of the Year: Marty Richter, Florida SouthWestern

Council of Instructional Affairs
Subcommittee Report for Council of Presidents

The following report contains a summary of recent activities of the Council of Instructional Affairs (CIA).

- The last monthly CIA Leadership Call meeting was held on April 11th at 1:00 PM. Discussion topics included planning for the upcoming June meeting. The next CIA Leadership Call is scheduled for May 9th at 1:00 PM.

- The Statewide Math Pathways Convening was held on April 9th at St. Petersburg College. This convening was sponsored by the Chancellor's office and the Florida Student Success Center with support from CIA. The purpose of the meeting was for math faculty to discuss the "right math at the right time" for students as well as best practices in preparing students to be successful in math. Dr. Uri Treisman's and staff from the Charles A. Dana center at University of Texas at Austin participated as well. All 28 of the 28 State Colleges were in attendance.

- Our next CIA/CSA meeting is scheduled for June 7-8 in Hutchison Island. We are currently working on a proposed agenda. Current discussion topics include strategic course scheduling and math pathways. Time will be provided for the five strategic theme subcommittees to meet and work on their assigned areas of programs, articulation, retention/completion, affordability, and innovation.

- At the June CIA/CSA meeting, we will be conducting elections for our next set of officers. Julie Alexander, our chair-elect, will be assuming the role of CIA chair and I will be transitioning to the role of past chair. I want to thank you all for this opportunity to serve the Council of Presidents. I have enjoyed thoroughly enjoyed this experience over the last year.

Report Submitted by Council of Instructional Affairs Chair Jesse Coraggio, Ph.D. on April 12, 2018.

Florida Council for Resource Development
Sub Council Report for the Council of Presidents
April 12, 2018

This report contains a summary of activities of the Florida Council for Resource Development (FCRD).

Goal 1: Communicating the Collective Impact of our System

1) We are finishing up the next edition of the **FCRD Spotlight** under the theme "**Math Innovations**." We are gathering success stories and program information surrounding what FCS colleges are doing to support student achievement in math, such as the use of adaptive learning technology, contextualizing math courses, or dedicated math tutoring for target student populations. This edition will be shared at the FCS Florida Student Success Center 'Math Convening' on April 9th.

Goal 2: World Class Professional Development

Spring Conference 2018: The FCRD Spring 2018 Conference, "Sustainability in a Changing World" coincides with the COP April meeting from April 11-13, 2018 at the Miami Dade College-Wolfson Campus in downtown Miami, Florida. 23 of 28 institutions are currently registered to attend.

The slate of presenters includes:

- JP Morgan Chase – Philip Guarco and Jill Otto – on the topics of Intentional Board Growth and Creating a Fundraising Board
- Raymond Smith – U.S. Department of Labor – hosting a Pre & Post-Award Primer workshops, as well as a session on Apprenticeships
- Curtis Young - Division of Cultural Affairs, Division of Historical Resources, and Division of Library and Information Services of the Florida Department of State – discussing funding opportunities
- Carlton Daley – Director of the Student Support Service Program at Miami Dade College – presenting a workshop on TRIO grants (including Talent Search and Upward Bound programs)
- Representatives from Volunteer Florida, Florida Humanities Council and the Florida Department of Education – serving on a Meet the Public Funders Panel to diversify funding

The FCRD Board of Directors will meet during its bi-annual three-hour planning session ahead of the conference, to include a deep dive on future reporting strategies, an overview of FCRD By-laws and the FCRD budget.

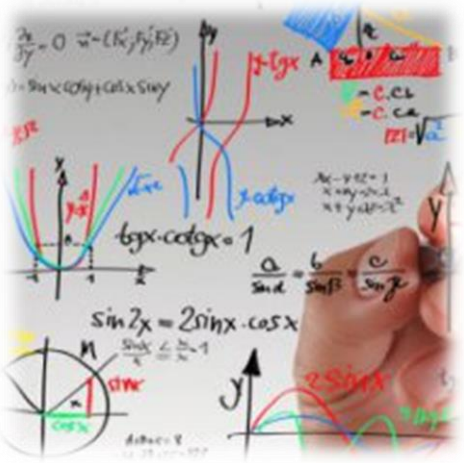
Report Submitted By: Jackie Skryd, Executive Director of Grants Development at St. Petersburg College and Chair, Florida Council for Resource Development on 3/29/18.

Math Innovations

Improving college-level math skills for Florida College System students to reach academic and career success

Presented to: Florida College System Council of Presidents

Success in most workforce driven academic pathways at Florida College System (FCS) institutions relies on a laddered set of fundamental math courses and concepts. That same proficiency in college-level mathematics is also a prerequisite for students planning to transfer into the Florida University System.



To help students achieve these goals, Florida's colleges are putting forth a number of innovations to improve student success in math. From redesigning or contextualizing courses into hybrid programs to revamping pathways and enhancing personalized supports, Florida colleges have charted proactive ways to boost college-level math skills for students – especially those who start in or are recommended to take developmental math.

While some of these projects are grant funded, a number of them are college-budgeted initiatives, as institutions invest in and prioritize math innovations, emphasizing the critical link between math success rates and attrition.

This FCRD Spotlight report looks at the math innovations at several Florida colleges and the impetus for these programs.

Background

College students' weak foundation in math, overall, has been a prevalent concern on the national landscape, and particularly in Florida. Sixty-eight percent of community college students require at least one remedial class.[1] Historically, placement tests identified students struggling in math and required those students to complete postsecondary coursework in developmental education courses. However, after Florida's 2013 developmental education reform bill, Senate Bill 1720, passed and allowed students to self-select into college-level courses regardless of academic ability, many unprepared college students chose not to pay for the not-for-credit developmental courses.

The legislation was aimed to help students progress into credit-bearing courses more quickly, cutting tuition costs. The result, however, has been a *marked* decline in success rates in Intermediate Algebra

[1] Center for Community College Student Engagement. (2016). Expectations meet reality: The underprepared student and community colleges. Austin, TX: The University of Texas at Austin, College of Education, Department of Educational Administration, Program in Higher Education Leadership

and College Algebra for students unprepared for college mathematics, particularly for those who may need math remediation but choose to opt out.

Gateway math courses such as Intermediate and College Algebra are required building blocks for Calculus. For many high-demand academic programs, especially in STEM, students must demonstrate a working knowledge of Calculus, at a minimum, to obtain a degree. Yet, on average, only 50% of college students nationwide pass gateway math courses on their first try, and less than 10% of those students go on to enroll in Calculus.[2]

Gateway mathematics prerequisite courses are often viewed as simply a hurdle to overcome before courses in a chosen field can be completed.[3] Students lack a sense of affiliation with the subject and an understanding of the relevancy of math concepts to their career goals, making concepts harder to retain after course completion.

Florida colleges are making significant investments to improve student success in math at all levels, from developmental to gateway and more advanced courses. They are finding innovative ways to teach math and support students, raising their confidence levels and their ability to persist and succeed.

Pathways and Math Instruction

Florida institutions are redesigning course formats for both developmental and gateway math courses to help students more quickly acquire math skills and, for developmental learners, to transition into credit-bearing programs. Innovative redesign models include accelerated classes, self-directed learning labs, online and other technology-rich learning models, course modules that piece material into manageable parts, and contextualization, the teaching of math with examples and applications from the student's degree focus or career interests. These models serve as possible responses to the developmental math dilemma in which many students and colleges find themselves.

Daytona State College (DSC) redesigned MGF2106, Survey in Mathematics, because it realized that students in this course are typically different from students in other college-level math courses. They require a different instructional approach. Many students came to this course having had negative experiences in algebra and assuming MGF2106 would be the same old thing, "finding *x*". The course redesign, however, was a great opportunity to show students that math is not an abstract subject studied in higher-level courses. The course teaches students about reasoning and thinking skills rather than training them to perform or mimic algebraic manipulations and procedures.

DSC served 33 students with this class during the 2013-14 academic year, which has skyrocketed since the redesign to 1,165 during the 2016-17 academic year. Additionally, MGF2106 feeds into STA2023, Elementary Statistics, which, though the enrollment has not grown, has seen better success rates. The success rate in 2013-14 was 76% and in 2016-17 reached 80.5%.

The redesigned course at **DSC** has allowed the faculty to bring in new and updated application exercises for students, ranging in topics from credit card usage, elections, health issues, and

[2] Gordon, S.P. (2008). What's wrong with College Algebra? *Primus, 18*(6), 516-541.
[3] Maltese, A.V., & Tai, R.H. (2011). Pipeline Persistence: Examining the Association of Educational Experiences with Earned Degrees in STEM Among U.S. Students. Science Education Policy, 95(5), pp. 877-907.

relevant business decisions to scenarios involving statistics. In other words, concepts are introduced with concrete, real-life examples whenever and wherever appropriate. Students only work on the topics they do not know, homework is more meaningful, students are more engaged, and students have the opportunity to finish their course early.

At **Indian River State College (IRSC)**, faculty and staff also are exploring alternative deliveries for college algebra. IRSC's Math at the Root of Success (MARS) initiative, originally launched as their SACSCOC Quality Enhancement Plan, focused on the redesign of gateway math to improve first attempt course success rates and increase the number of students transitioning to general education math. A number of alternative deliveries have been implemented and evaluated for Intermediate Algebra (MAT1033) and a new gateway math option, Quantitative Reasoning (MAT1100), has been introduced for students who do not require College Algebra to complete their program of study. Course success rates have improved from 57% for MAT1033 in 2012-2013, prior to our MARS launch, to 68% in MAT1033 and 79% in MAT1100 in 2016-2017. Embedded assessments and subsequent course success rates suggest no compromise in learning.

Encouraged by improvements in course success and positive feedback from students, faculty, and tutors, **IRSC's** math department is piloting two of the most promising deliveries from MAT1033 in College Algebra (MAC1105). Math faculty have volunteered to teach sections of MAC1105 in a traditional face-to-face format for three hours each week, as a supplemental emporium, or as a hybrid emporium. In a supplemental emporium, students spend two hours each week in a classroom and two hours each work working in a computer lab (a total of four hours for a three-credit course). In a hybrid emporium, students spend the standard three hours each week divided between a classroom setting and a lab. Outcome data will be analyzed to determine whether either or both of these emporium deliveries increase course success rates compared to the traditional face-to-face delivery. Focus groups will be conducted with students, faculty, and tutors to identify opportunities for further improvement.

At **Florida State College at Jacksonville (FSCJ)**, faculty and staff are developing and embedding new study skills modules in six key STEM courses including College Algebra, with the aim of improving students' learning gains and interest in STEM. The project, known as Building Opportunities for STEM Success (BOSS) is funded by a $300,000 National Science Foundation Improving Undergraduate STEM Education grant. The College anticipates serving 360 students.

The *BOSS* team is comprised of seven faculty members from various STEM disciplines with two representing Mathematics. Partners include the Northeast Florida STEM Hub, the Florida Department of Education, and the JAXUSA Earn Up initiative who will support dissemination. Best-practice sources will be studied by *BOSS* faculty to identify evidence-based study skill strategies and resources that will be used to develop tutorials. The overall framework for tutorials will remain consistent across the STEM courses, with flexibility to tailor instruction per the needs of different subject areas like Mathematics.

State College of Florida, Manatee-Sarasota (SCF) will develop an immersive student learning experience as part of a National Science Foundation grant program to increase the number of minority study transferring to four-year baccalaureate programs in STEM. The STEM Summer Series will be a two-week seminar that assesses and improves a student's math literacy and will provide exposure to numerous science disciplines that utilize mathematics principles. The series will feature a morning session with intensive math instruction and an afternoon session that allows the student to participate in a hands-on science experiment that also applies mathematics concepts. Participating students will learn how math is utilized in the following disciplines: Anatomy, Microbiology, Biotechnology, Physics, and Computer Science.

The Summer Series concludes with a math placement test and individual advising to ensure placement in the appropriate mathematics course in the Fall semester. Participants will also have access to adaptive learning tools including the ALEKS software to help bridge the transition to mathematics courses required of STEM majors.

Comprehensive Student Support

Colleges are instituting enhanced student supports to boost progress for students enrolled in math courses. These supports are improving collaboration and coordination between departments and between the institution and community partners.

Tallahassee Community College (TCC) is providing students with hands-on opportunities to help their fellow scholars improve their math skills thanks its new Math Champions Student Success Initiative. These mentors, or Champions, will guide their fellow students in developmental and gateway math courses. This program, a partnership between the Transitional Studies and Science and Math divisions, is overseen by Anthony Jones, dean of science and math; Kalynda Holton, associate dean of science and math; and Sharisse Turner, dean of transitional studies.

The Math Champions are students who have proven success in math courses. They serve as peer mentors for students in courses such as Developmental Mathematics and College Algebra. Each Math Champion receives a $900 scholarship and has a faculty mentor who provides guidance in leadership development and tutoring skills.

"Research indicates that well-designed peer-to-peer support models are effective in increasing success and retention," said Sharisse Turner, TCC dean of transitional studies and leader of the Math Champions initiative design team. "Our Math Champions, their faculty mentors and the students being served find this peer mentoring experience highly beneficial."

THE INITIATIVE IS DESIGNED TO INCREASE SUCCESS, RETENTION AND PERSISTENCE RATES, AND STUDENT ENGAGEMENT ON CAMPUS. DATA SHOW THAT THIS IS AN EFFECTIVE PROGRAM. IN THE FALL OF 2017, FOUNDATIONS OF COLLEGE MATHEMATICS II AND INTERMEDIATE ALGEBRA SECTIONS THAT HAD EMBEDDED MATH CHAMPIONS SAW SIGNIFICANT IMPROVEMENTS IN STUDENT SUCCESS (5.4% AND 13.3% INCREASES RESPECTIVELY OVER SECTIONS WITHOUT MATH CHAMPIONS).

Contextualization

Florida colleges also are bringing faculty together to contextualize math instruction so students in developmental or gateway courses can relate mathematical concepts to real-world applications and to the academic or career fields that interest them and have propelled them to seek higher education.

Studies have shown that contextualization of developmental math can increase the likelihood of successful remediation, accelerated entry into college-level coursework, and success in college-level and transferrable coursework.[4]

Miami Dade College (MDC), through a U.S. Department of Education, First in The World (FITW) grant, received funds to develop a Contextualized Co-Requisite Algebra Track (CCAT). Through the project, both curriculum and support are being strengthened in Contextualized and Co-Requisite Algebra Track Mathematics (CCAT Math) that have been developed and implemented in Intermediate Algebra (MAT1033) for Business and Health Science Majors. Contextualized content is inspiring for today's learners especially when it is written with references to which they can relate. MDC faculty meet and write components to address the course competencies. This creative exercise not only calls on their mathematical expertise but on their familiarity with students and the community.

CCAT Math MAT1033 for Business Majors looks at real-life scenarios and problem situations such as the book-value depreciation of new cars and the appreciation of classic cars, a bakery with increasing overhead, and an online marketplace with shifting shipping costs. CCAT Math MAT1033 for Health Science Majors employs problem situations such as body surface area for burn victims, drug dosage and concentration in the bloodstream over time, exhaling volume after an asthma attack, and effective exercise for healthy weight loss. This helps the students who have been unable to master algebraic skills in a traditional setting. At a non-cognitive level, it is rewarding to solve a problem presented to address a life situation because the student can share their new knowledge with friends and family.

Because of the Redesign Revolution, pass rates in gateway mathematics are equal to or higher than before changes to developmental education requirements and funding. Next steps are to contextualize MAT1033 for students with STEM majors.

At **St. Petersburg College (SPC)**, faculty and staff are planning to address student success barriers by using contextualization as an intervention—developing, implementing and testing contextualized course assignments, related out-of-class supports, and experiential learning activities through interdisciplinary instructional methods—to improve student understanding, preparation, and connection to critical math concepts. The goal is to demonstrate contextualization as an effective intervention strategy that improves math success and increase students persistence and success in STEM majors.

Known as Contextualization of Science, Technology and Engineering in Math (*C-STEM*), this program supports the idea that interdisciplinary STEM faculty collaboration and professional development will lead to improved preparation and knowledge in academic areas beyond their own, providing students added real-world relevancy. While contextualization has existed in many forms, the prevalence of *formal* contextualization at the community college level remains low. A shortage also remains of studies of

[4] Wiseley, W.C. (2009). Effectiveness of Contextual Approaches to Developmental Math in California Community Colleges.

contextualization within community colleges, in particular contextualization focused on gateway subjects. *C-STEM* directly addresses this research gap through an evidence-generating project designed to research and evaluate the impact of contextualization on gateway math course outcomes and long-term STEM program persistence and success for community college students. SPC has applied for a grant from the National Science Foundation to fund this program.

Math Events

Engaging (prospective) students early with unique math and STEM learning opportunities can also help prepare Florida college students to be more prepared for college-level math.

Polk State College partnered with The FIRST LEGO League, which is a joint project between The Lego Group's owner, Kjeld Kirk Kristiansen, and inventor Dean Kamen, founder of *For Inspiration and Recognition of Science and Technology* (FIRST), for the FIRST LEGO League Central Florida Regional Championship. The one-of-a-kind event brought together nearly 1,500 elementary and middle school students, as well as LEGO enthusiasts where they programmed LEGO MINDSTORMS robots, which were built to participate in challenges related to hydrodynamics. This event is part of a global effort to build interest in STEM education through robotic challenges that incorporate fun with problem-solving skills.

Students worked for several months leading up to the competition, which included both robotics competition and a theme-related project. For the theme of hydrodynamics, projects had to be based on a part of the human water cycle, and teams were tasked with identifying a problem to solve. In addition, teams participated in a building challenge exercise that allowed them to demonstrate their core values. Judging for the competition was then based on their projects, core values, and robot design.

Northwest Florida State College (NWFSC) Math Bowl is a one-day annual event hosted by the Northwest Florida State College Mathematics Department. High schools across the Florida Panhandle and southern Alabama are invited to visit the NWFSC Niceville Campus and compete both as individuals and as teams. The individual competition consists of a 45-question written exam including topics from Algebra, Geometry, Trigonometry, and advanced topics including Calculus. The team competition consists of 20 two-minute ciphering questions where team members work in pairs. Individual awards are presented, and scores from both components of the competition are combined to determine team awards. The Math Bowl encourages individual excellence in the courses which form the framework of the high school mathematics curriculum which is foundational to all STEM and STEM medicine fields. It encourages teamwork as students prepare for and as they participate in the competition. Fostering a collegial environment, students and faculty from across the region convene and connect as they participate in this shared experience.

After helping sponsor the event for several years, the Air Force Research Laboratory of Eglin Air Force Base awarded Northwest Florida State College with a grant to help cover all costs of hosting the event in 2016. Since then, they have awarded NWFSC with the grant annually. Math Bowl inspires students to develop their mathematical competency and gives them an opportunity to demonstrate their skill in

critical thinking, problem solving, and teamwork. Their involvement has helped to create an awareness of career opportunities for those in STEM and STEMM.

Other events are geared toward math faculty and Florida colleges in order to stir college-grown innovation from those on the front lines.

Valencia College's Intersections and Unions Conference started in 2012 in order to share best practices among mathematics faculty across campuses. This conference is for Valencia faculty with Valencia faculty as presenters. The conference brings a Valencia administrator or mathematics retiree to give the opening keynote speaker and then a national closing keynote speaker in the afternoon who is asked to inspire the faculty with a call to action. Faculty receive seven professional development hours for attending the conference and have the option of earning an additional eight hours if they join the 'After the Conference' professional development course which is facilitated by the math deans. This course has faculty reflect on what they learned at the conference, implement something they learned in one of their classes and reflect on the experience.

Final Observations

FCS institutions, like community colleges across the country, are charting new innovative strategies to serve their students better in developmental and gateway math courses. However, in order to scale up these math innovations, action at the state level may be needed to enact public policies in support of the innovations along with financial incentives and broad dissemination of successful models.