



BOARD OF TRUSTEES
**Academic & Student
Affairs Committee**

**Monday, May 23, 2022
12:45 PM – 2:15 PM**

**Florida Polytechnic University
Applied Research Center & via WebEx**

Dial in: 1-415-655-0001 | Access code: 2438 347 7145#

MEMBERS

Dr. Earl Sasser, Chair	Dr. Laine Powell	Melia Rodriguez
Dr. Susan LeFrancois	Dr. Narendra Kini	

AGENDA

I.	Call to Order	Dr. Earl Sasser, Chair
II.	Roll Call	Zaira Medina
III.	Public Comment	Dr. Earl Sasser
IV.	Approval of the April 28, 2022 Minutes *Action Required*	Dr. Earl Sasser
V.	2020-22 Academic & Student Affairs Committee Work Plan Review	Dr. Terry Parker EVP & Provost
VI.	Provost's Report	Dr. Terry Parker
VII.	Closing Remarks and Adjournment	Dr. Earl Sasser



Academic & Student Affairs Committee Meeting

DRAFT MEETING MINUTES

Thursday, April 28 2022
3:00 PM – 4:00 PM

Florida Polytechnic University WEBEX TELECONFERENCE MEETING

I. Call to Order

Committee Chair Earl Sasser called the Academic and Student Affairs Committee meeting to order at 3:00 p.m. He introduced and welcomed new student trustee, Melia Rodriguez, to the Board.

II. Roll Call

Kristen Wharton called the roll: Committee Chair Earl Sasser, Trustee Ala' J. Alnaser, Trustee Melia Rodriguez, Trustee Laine Powell were present (Quorum)

Committee member not present: Trustee Narendra Kini

Other Trustees Present: Board Chair Cliff Otto, Vice Chair Mark Bostick, Trustee Gary Wendt, and Trustee Bob Stork

Staff Present: President Randy Avent, Provost Terry Parker, Allen Bottorff, Gina DeIulio, Kathy Bowman, David Blanton, Kristen Wharton, Alex Landback, Melaine Schmiz, Dr. Ben Matthew Corpus, Dr. Kathryn Miller, Dr. Tom Dvorske, and Kevin Calkins

III. Public Comment

There were no requests received for public comment.

IV. Approval of Minutes

Trustee Laine Powell motioned to approve the Academic and Student Affairs Committee meeting minutes of February 9, 2022. Trustee Melia Rodriguez seconded the motion; a vote was taken, and the motion passed unanimously.

V. University Accountability Plan FY22

Provost Parker gave a brief description of the annual Accountability Plan. He reviewed four of the ten Performance Based Funding (PBF) funding measures listed in the Plan.

The forecast of 43% for the four-year graduation rate will remain unchanged. Currently, Provost Parker expects Florida Poly will achieve that rate this year. This is a nearly five-point improvement from the previous year.

The forecast of 75% for the Academic Progress Rate (APR) will also remain unchanged. Early indications show the University will meet or exceed the goal of a nine-point improvement on this metric.

The metric for the percentage of freshmen in the top ten percent of their high school class will increase from 30%-32%. Due to the increase in the number of graduate degrees, Florida Poly will qualify to change this metric to "percentage of graduate degrees in areas of strategic emphasis" in this coming year.

Provost Parker shared a correction from the original meeting materials which changes the "Pell second fall retention rate" from 80% to 75% to match the overall University Academic Progress Rate (APR). Committee Chair Sasser inquired if this additional change alters the forthcoming motion; Provost Parker responded in the affirmative.

Provost Parker provided further detail on how the above percentages were determined by reviewing results of the "freshman initiative" which launched in fall 2021. He then reviewed where the University improved Key Performance Indicator (KPI) goals, and proposed changes for two other goals the University is unable to meet: "six-year graduation rate" from 56 to 49%, and "bachelor's degrees awarded" from 276 to 250.

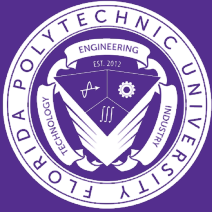
Finally, Provost Parker reviewed proposed changes in enrollment planning goals. This includes lowering the undergraduate enrollment goals for 2022 and 2023, followed by an aggressive 2024 goal based on early forecasts of the enrollment pipeline and retention of students. All goals at the graduate level will increase.

Trustees had no questions and no discussion occurred.

Trustee Ala J. Alnaser made a motion to recommend approval of the University Accountability Plan FY22 to the Board of Trustees. This plan includes the amendment which changes the goal for Pell retention rate for 2021-2022 to 75%. Trustee Laine Powell seconded the motion; a vote was taken, and the motion passed unanimously.

VI. Closing Remarks and Adjournment

With no further business to discuss, the Academic and Student Affairs Committee Meeting adjourned at 3:26 p.m.



Committee Work Plan

Academic & Student Affairs Committee Work Plan 2020-2022

COMMITTEE TOPICS

Following is a list of topics which will come before the Academic & Student Affairs Committee within the course of a year:

Topics for reporting this meeting:

- Admissions and Financial Aid
- Student Services
- Four year graduation improvement plan
- Degree Program Additions and Faculty Hiring
- Student and Faculty Diversity
- Graduate programs
- Technology and Pedagogy

At each Academic and Student Affairs Committee meeting the committee will have the opportunity to request reporting on a particular topic of interest. Reports to the committee may, if it is deemed necessary, include information beyond the topics listed above.

**The items listed above are standard items that occur in regular quarterly or annual cycles. However, other matters may be brought to the Committee for review and approval as required by law and regulation, as well as any other matters of interest.*

**Florida Polytechnic University
Academic and Student Affairs Committee
Board of Trustees
May 23, 2022**

Subject: Provost Report May 2022

Proposed Committee Action

For information only. No action required at this time.

Background Information

Provost Terry Parker will provide an update on the academic and student affairs of the University. Trustee participation in discussion is anticipated and welcomed.

Supporting Documentation: PowerPoint

Prepared by: Dr. Terry Parker, Executive Vice President & Provost



FLORIDA POLYTECHNIC
UNIVERSITY

Provost's Report

Terry Parker

Contributions from B.M. Corpus, T. Dvorske, K. Miller

May 23, 2022

Today's Agenda Is Primarily Reporting With Board Discussion

- **Reporting and Discussion**
 - **Admissions and Financial Aid**
 - **Student Affairs**
 - **Four Year graduation improvement plan –**
 - **Degree Program Additions and Faculty Hiring Status**
 - **Student and Faculty Diversity**
 - **Graduate Programs**
 - **Technology and Pedagogy**

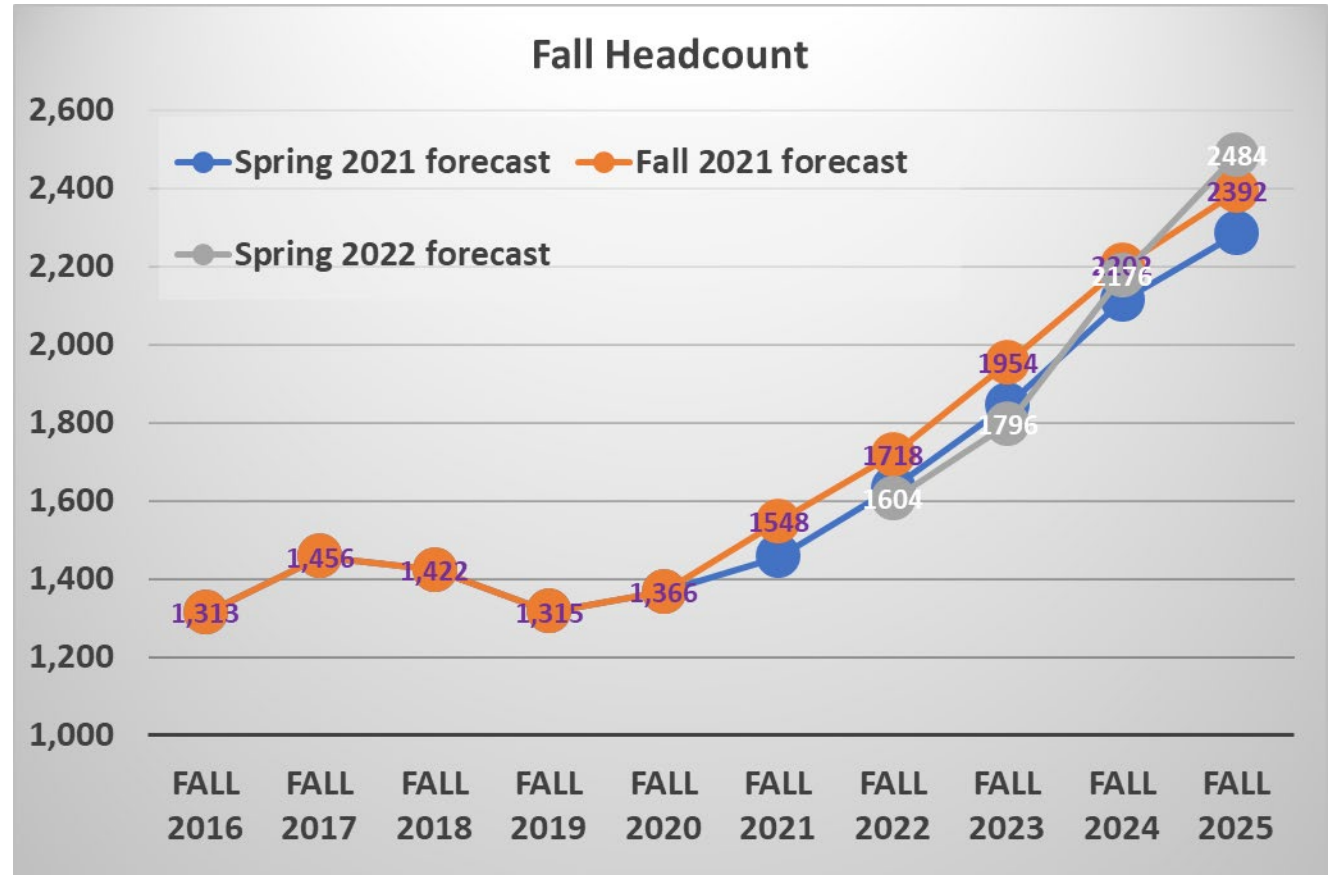
Gray font items will not be discussed today

We again have a strong Incoming Class for the Fall of 2022

- **Overall Enrollment (continuing and new students) projected to be up by ~4% in Fall 2022**
- **All New Students**
 - **New forecast is 50 fewer new students in Fall 2022 than in Fall 2021 (580 v 630)**
 - **Females up to our highest percentage in University history at 21.6%**
- **GRAD (to date, cautiously optimistic)**
 - **Grad Applications up 32%, admits doubled**
- **TRANSFER (to date, cautiously optimistic)**
 - **Transfer Applications up 18%**
 - **Deposits up 7%**
- **FTIC**
 - **Fall SAT up 33 points to 1341**
 - **Applications up 34%**
 - **Acceptance rate of 46% (down from 56%)**

Our Updated Enrollment Projection Accounts for Housing Availability

- The enrollment forecast continues to show significant growth
- Current focus on a strong admissions year in fall of 2024
- This coincides with dorm opening, ~400 new beds



On Campus Housing Is Full With Modest Off Campus Opportunities

- **On campus housing for Fall 2022: 796 beds (was 758 in the fall of 2021)***
 - Residence hall was full by Spring 2022 close
 - ~30 beds available now due to academic related lease cancellations
 - Bed availability solely doubles (considered not desirable)
- **Off campus housing: housing office connecting students to complexes**
 - West 4.5 miles, ~2000 units in five complexes
 - East 2.0 miles, ~240 units (newly available)
 - Southwest 13 miles (not considered due to distance)
 - Key is transportation which we are putting in place this summer

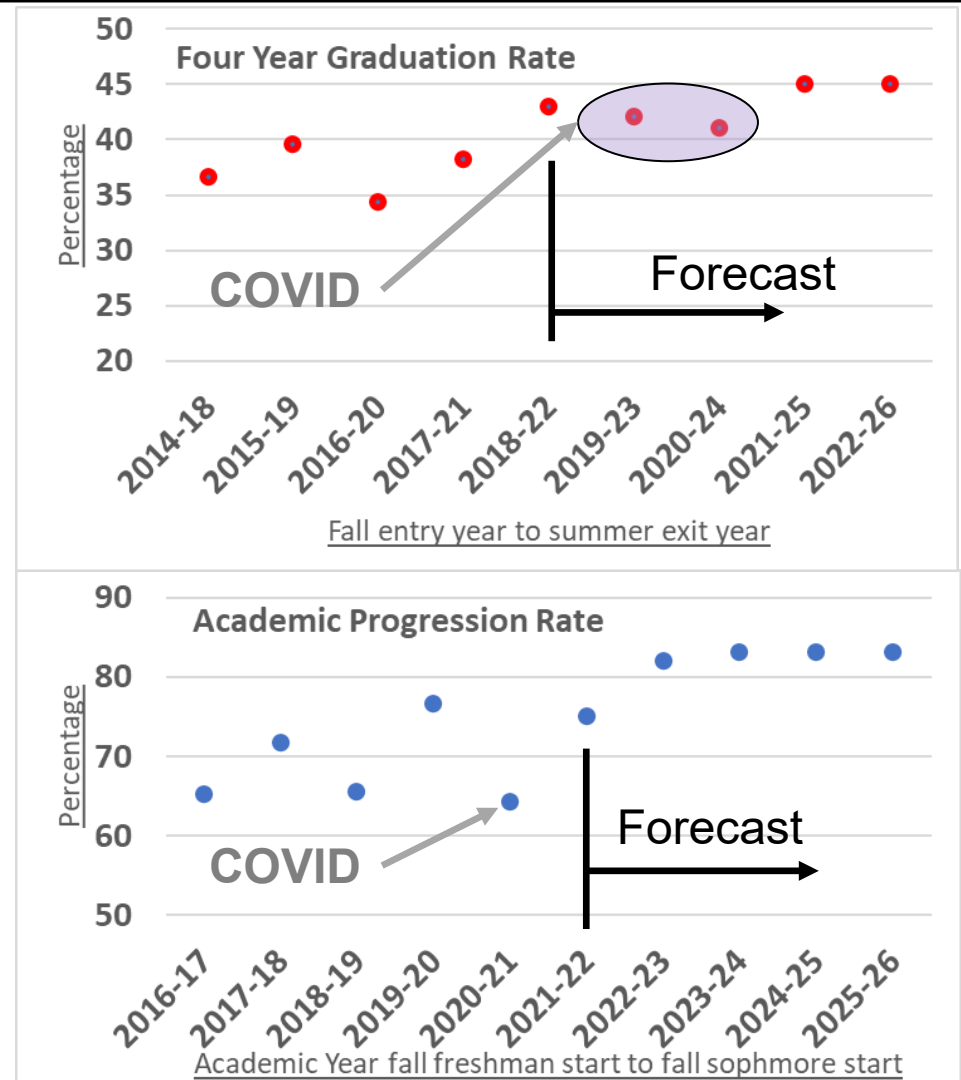


Board Discussion

**thanks to Vestcor for increased collaboration in the last two months*

Four Year Graduation Rate and Academic Progression Rate Are Challenging

- **For Performance Based Funding, these two metrics are difficult for us**
- **Questions:**
 - **Do students leave for academic or “other” reasons**
 - **How do we compare with “peers”**
 - **What are we doing to improve**



Florida Poly Compares Well With Peers, Aspirant Peers Have Higher Metrics

- **Our performance is “on par” with our peers***
- **Aspirant Peer graduation rate is significantly higher**
- **The key to graduation rate is a high retention rate**
- **All data is pre-COVID**

** Peers here are strongly STEM institutions in terms of degrees granted and size, aspirant peers are institutions that are peers and highly ranked*

	Retention	4-yr grad	6-yr grad
ASPIRANT			
Stevens Institute of Technology	93%	53%	88%
Rose-Hulman	90%	75%	83%
Colorado School of Mines	92%	65%	84%
Rensselaer Polytechnic Institute	91%	74%	87%
Worcester Polytechnic Institute	95%	81%	89%
AVERAGE (Aspirant)	92%	70%	86%
CURRENT			
Missouri University of Science & Technology	85%	24%	67%
NM Institute of Mining	81%	30%	54%
Michigan Tech	86%	30%	72%
Clarkson	87%	63%	76%
Florida Institute of Technology	82%	43%	60%
Florida Polytechnic University	85%	36%	50%
AVERAGE (Current)	84%	38%	66%

Pre-COVID ~2018 DATA

How Do We “Move the Needle:” The Freshman Initiative (from Sept. 2021)

- **More importantly, what are we doing?**
 - **Registration**
 - *Courses and loads determined by student HS performance (done for Fall 2021, promising results)*
 - *Tighter controls on registration, careful course-load balancing across semesters (done starting Fall 2021)*
 - **Policies**
 - *Centrally driven forgiveness pathways (added Academic Review Board, complete shift in Advising Model with strong Faculty Role)*
 - **Coursework**
 - *Freshman Course Guidelines (will revisit summer of 2022)*
 - *Replacement of APS* (done, 2nd course to be implemented 2022-23)*
 - **Peer Learning Strategy**
 - *The Learnwell Project (two semesters of shift in student support)*
 - **Student culture**
 - *Emphasis on student leadership (broad program started fall 2021)*
 - *Emphasis on student activity (improved student life program)*

*APS is “Academic and Professional Skills”
and is a freshman level course

Student Affairs Has Expanded New Student Orientation To Support Engagement

- **New Student Orientation to include four key steps:**
 - **P – Pre-Orientation**
 - **O – Online Connection with Success Coach and Orientation Leader**
 - **L – “live” on-Campus Orientation**
 - **Y – You Matter. Mid Semester check in from Orientation Leader**



How Has COVID Impacted Our Performance?

- **Example: “My college students are not ok”, New York Times opinion May 13, 2022, authored by Southern Methodist University Professor**
 - **Key themes: poor attendance, poor engagement, poor response to “extra” help**
 - **This is anecdotally discussed in media and across higher ed**
- **What have we done:**
 - **Academic Review Board: strengthens academic advising for students with difficulty, provides suspension pathway for students that are harmful to culture**
 - **Full Rework of tutoring support: always tied to the academic department, providing “learning” support not “answer” support**



Board
Discussion



New Degree Programs

- **We add degrees to be attractive to a range of “technically oriented” students**
 - **This is the classic “polytechnic” model**
- **We currently have ~3% of the market share of the Engineering Degrees granted, ~3% of Computer Science degrees granted in Florida**
- **Degrees that are formally being considered for addition**
 - **Civil Engineering**
 - *Strong job demand, one of the “big three” in Engineering*
 - *Challenge will be to define the Poly “niche”*
 - **Industrial Engineering**
 - *Easy degree to put in place with our current resources*
 - *Also has strong workforce demand*
 - **Computer and Info Systems**
 - *Builds on our existing strength in Computer Science*



Hiring Activity to Date

- **23 positions open**
 - floridapoly.edu/facultyrecruitment.
 - Current pool ~600 applicants
 - Hiring Committees are winding down
 - 33% of hires to date are female
- **Positions filled to date: 12**
 - **Spring 2022**
 - *Dr. Sutanu Bhattacharya – Assistant, Computer Science (9/27/2021)*
 - *Dr. Kathleen Hardesty – Instructor, English*
 - *Ms. Sarah Pearsall – Instructor, English*
 - *Dr. Jing Hou – Assistant, Computer Science*
 - *Dr. Paniz Abedin – Assistant, Computer Science*
 - **Fall 2022**
 - *Mr. Ranses Alfonso Rodriguez – Assistant, Applied Mathematics*
 - *Dr. Ujan Mukhopadhyay – Assistant, Computer Science*
 - *Dr. Kyle Sundqvist – Associate, Engineering Physics*
 - *Mr. Artem Malinin (Ph.D. pending) – Assistant, Business Analytics*
 - *Dr. Tracy Olin – Senior Instructor, Chemistry*
 - *Dr. Justin Hoffmeier – Associate, Applied Mathematics*
 - *Dr. Navindra Wijeyera – Assistant, Mechanical Engineering*

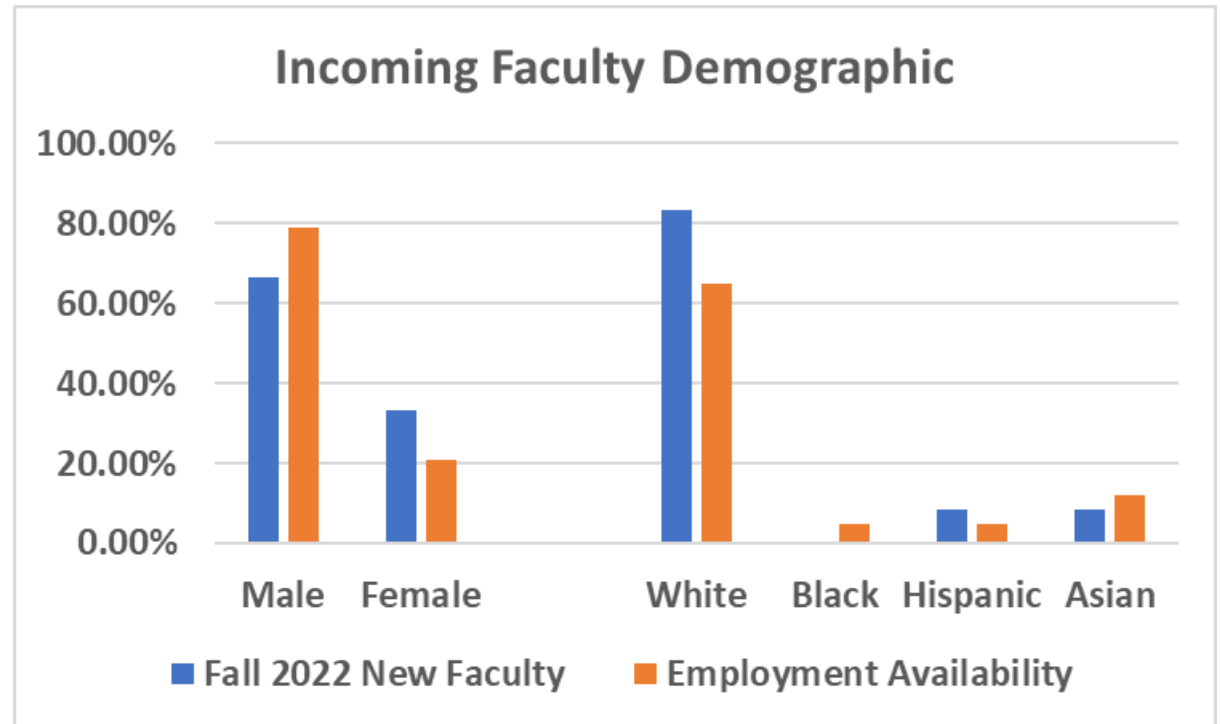
Faculty Hiring Is Across Multiple Departments

- This season had multiple declines after starting the contract process
- Critical hires were made in Computer Science and Applied Mathematics

B.S. Degrees or Departments	Fall 2020	Fall 2021	Fall 2022
Computer Science	14	13	16
Business Analytics, Data Science	8	9	10
Electrical Engineering, Computer Engineering	11	11	11
Mechanical Engineering	10	12	13
Environmental Engineering		4	5
Engineering Physics	7	5	5
Applied Mathematics	8	9	11
Arts, Humanities, Social Sciences	5	4	6
	63	67	77

For Students and Faculty We Have Made Some Gains In Diversity

- **Diversity indicators in the incoming student body**
 - **Total incoming class is 22% female (up from 18% last year)**
 - **Fall FTIC females up from this time last year from 15.9% to 19%**
 - **Fall FTIC Black/African American up from 4.6% to 5.8%**
 - **Hispanic down to 26.5% from 27.9% in total incoming class**



Employment Availability based on PhDs granted in Engineering Fields

We Hope To Transition To the Metric Used By 10 Other SUS Universities

- **Metric 8 is the percent of Graduate degrees granted in Programs of Strategic Emphasis**
 - **We are naturally at 100%, but were considered too small**
 - **The current metric is percent FTC students in the top 10% of their high school class**
 - **Threshold was set at 25 degrees for transition to the mainstream metric**
 - **We have graduated 32 students this year (and will likely graduate ~40)**
- **For Performance Based Funding, this moves us up by 7 points**
- **The process for changing the metric is not clear**



Board Discussion



Key Messages for Today

- **Admissions and Financial Aid**
 - **Projecting 580 new students**
 - **We continue to project strong growth**
 - **We are working through our challenges with housing**
- **Four Year Graduation Rate**
 - **Ongoing “freshman initiative” to boost retention: robust application of policies to improve academic progression**
 - **This is and will be an ongoing effort**
- **We are starting to look at three new Undergraduate Degree Programs**
- **Hiring activity: Twelve new hires for fall 2022**
- **Graduate Degree Programs**
 - **We hope to transition to a new PBF Metric**