

## 5.0 ACADEMIC AND RESEARCH FACILITIES ELEMENT

### Assumptions

- Space utilization analysis and space needs projections were performed based on Florida Board of Governors document titled, '*Space Standards for Fixed Capital Outlay Needs Generation Formula*'. Where no Florida standard existed, Council of Educational Facility Planners International (CEFPI) guidelines were utilized.
- Florida International University declared that a growth rate of 2.0% be used as the basis of enrollment projections and resultant modeling of space needs for both target dates.
- Modesto A. Maidique Campus: With a 2.0% growth rate, the target year of 2015 resulted in a population of 20,720 FTE students. The more distant target of 2034 resulted in a population of 30,185 FTE students.
- Biscayne Bay Campus: With a 2.0% growth rate, the target year of 2015 resulted in an FTE population of 3,413 FTE students. The target year of 2034 resulted in an FTE population of 4,972 FTE students.
- Totals from both Modesto A. Maidique Campus and Biscayne Bay Campus resulted in a total population of 35,157 FTE students in the target year 2034.
- Engineering Campus square foot data is a subset of Modesto A. Maidique Campus and not separately delineated. Therefore, per FIA direction, space allocation was set at 94.5% for MAM Campus and 5.5% for EC Campus, except for Category 250 Research, which was set at 90% for MAM Campus and 10% for EC Campus.

### (1) DATA REQUIREMENTS

#### a) Future Student Enrollment Projections

**Table 5.1 Projections of Future FTE Enrollment**

UNIVERSITY WIDE	FTE PROJECTIONS .0%
2008	24,456
2009	24,945
2010	25,444
2011	25,933
2012	26,472
2013	27,001
2014	27,541
2015	28,092

Source: 2008 base rate taken from OPIE fact book fall 2008

Projection Rate: 2.0% annual per Instruction to Consultant at 19 Feb 2009 meeting on campus)

#### b) Existing Building Spaces Inventory

Figures 5.1, 5.2 and 5.3: Academic & Research Facilities depict typical academic facilities at Modesto A. Maidique, Engineering Center and Biscayne Bay

Campus. Table 5.2 contains an inventory of existing academic buildings by function for each campus.

Table 5.2 Inventory of Existing Building Spaces for Academic Functions.

<b>MODESTO A. MAIDIQUE CAMPUS</b>	<b>CLASSROOM</b>	<b>TEACHING LAB</b>	<b>STUDY</b>	<b>RESEARCH LAB</b>
Bldg 1 Primera Casa	15,910	16,458	1,564	6,666
Bldg 2 Deuxieme Maison	9,086	6,451		4,802
Bldg 3 E.R. Graham Center	13,397	2,881		
Bldg 4 Viertes Haus	2,441	10,302	1,049	14,522
Bldg 5 Green Library	14,333	9,759	134,492	1,683
Bldg 6 Owa Ehan	3,075	21,018		23,087
Bldg 6A Wertheim Conservatory				4,201
Bldg 7 Pharmed Arena	4,990	336		
Bldg 8 Eng/Computer Science	4,495	14,764		25,069
Bldg 9 Chemistry & Physics	11,679	19,812		23,821
Bldg 10 College of Health				
Bldg 11 Ryder Business Bldg.	5,667		2,648	1,124
Bldg 13 Labor Center	3,711	1,666	356	
Bldg 14 Education Building	5,939	6,312		
Bldg 16 Wertheim Per. Arts Ctr.		7,853	533	
Bldg 19A University Park Towers	1,201			
Bldg 20 Fitness Center			2,697	
Bldg 21 Health & Life Sciences		5,058	509	29,729
Bldg 21A Health & Life Sciences II	10,740	13,895		6,356
Bldg 24 Paul Cejas Architecture Building	12,097	24,430		
Bldg 25 Management & Advanced Research Center	8,461			1,084
W01C Ceramics Building	0	3,051		255
<b>TOTAL</b>	<b>127,222</b>	<b>164,046</b>	<b>143,848</b>	<b>142,399</b>

<b>BISCAYNE BAY CAMPUS</b>	<b>CLASSROOM</b>	<b>TEACHING LAB</b>	<b>STUDY</b>	<b>RESEARCH LAB</b>
N01 Hospitality Management	8,693	22,210		
N02 Academic One	17,213	5,811	1,882	258
N04 Academic Two	7,315	25,739		330
N05 The Library	8,473	2,110	28,302	
N08 Ecology Laboratory Building				2,120
N13 Marine Biology	4,690	10,792	990	11,479
<b>TOTAL</b>	<b>46,384</b>	<b>66,662</b>	<b>31,174</b>	<b>14,187</b>

ENGINEERING CENTER	CLASSROOM	TEACHING LAB	STUDY	RESEARCH LAB
101 Engineering Center	16,293	24,979		47,897
102 Operations/Utility		958		13,056
TOTAL	16,293	25,937		60,953

FIU WOLFONIAN	CLASSROOM	TEACHING LAB	STUDY	RESEARCH LAB
MB01 Wolfsonian Museum	N/A			

FIU ANNEX	CLASSROOM	TEACHING LAB	STUDY	RESEARCH LAB
MB 02 Wolfsonian Annex	N/A			

UNIVERSITY WIDE	CLASSROOM	TEACHING LAB	STUDY	RESEARCH LAB
TOTAL	173,606	230,708	175,022	156,586

Source: FIU Space Utilization Report, 2005

### c) Existing Space Utilization

Table 5.3 Existing Space Utilization

MODESTO A. MAIDIQUE	WEEKLY ROOM HOURS	ROOM UTILIZATION
Classroom	N/A	N/A
Teaching Laboratory	N/A	N/A
BISCAYNE BAY CAMPUS	WEEKLY ROOM HOURS	ROOM UTILIZATION
Classroom	N/A	N/A
Teaching Laboratory	N/A	N/A

Source: FIU Space Utilization Report

### d) SUS Space Use Standards

Table 5.4 Space Use Standards for Academic Space Type

Biscayne Bay Campus

Space Code	Space Category	Fla Bd Governors Std	Alternative Std
110	Classrooms	11.84	
210	Teaching Labs	9.73	
220	Open Labs		7.00
250	Research Labs	13.08	
300	Offices/Computer	29.08	

400	Study/Library	16.51	
520	Teaching Gymnasium	0.00	
530	Media Production	0.50	
540	Clinic		0.40
550	Demonstration		0.10
570	Animal Quarters		0.00
580	Greenhouses		0.50
590	Other		0.00
610/620	Assembly / Exhibition	3.00	
630	Food Service		8.41
650	Student Lounge		3.00
660	Merchandising		2.50
670	Recreation		1.50
680/690	Meeting Rm /Student Academic Meeting Rm	0.60	
700	Central Service / Central Computer / Telecomm / Central Storage / Vehicle Storage / Hazardous Materials	7.08	
800	Health Care		0.77

**Notes:**

- a) All space categories include supporting service space
- b) Category 250 Research Lab space was prorated between MAM and EC as follows: MAM 90% and EC = 10%
- c) Exstg ASF per 'SPA-FIU.MIS.SPAPRD.F200808.GOODFILE.G0396V00(BOR)' (forwarded by PC 8 Jan 09)
- d) Space Standards Per Florida Bd of Governors, "Space Standards for Fixed Capital Outlay Needs Generation Formula"
- e) Space Standards not listed by Florida Bd of Governors used a hybrid of CEFPI Standards and P+W benchmark data

**Modesto A. Maidique Campus**

<i>Space Code</i>	<i>Space Category</i>	<i>Fla Bd Governors Std</i>	<i>Alternative Std</i>
110	Classrooms	12.08	
210	Teaching Labs	13.77	
220	Open Labs		7.00
250	MAM Research Labs	8.89	
250	EC Research Labs	0.99	
300	Offices/Computer	36.88	
400	Study/Library	17.54	
520	Teaching Gymnasium	5.77	
530	Media Production	1.13	
540	Clinic		0.40
550	Demonstration		0.10
570	Animal Quarters		0.61
580	Greenhouses		0.50
590	Other		0.37
610/620	Assembly / Exhibition	3.00	

630	Food Service	6.92
650	Student Lounge	2.00
660	Merchandising	3.00
670	Recreation	2.00
680/690	Meeting Rm /Student Academic Meeting Rm	0.60
700	Central Service / Central Computer / Telecomm / Central Storage / Vehicle Storage / Hazardous Materials	7.08
800	Health Care	0.38

**Notes:**

- a) All space categories include supporting service space
- b) Category 250 Research Lab space was prorated between MAM and EC as follows: MAM 90% and EC = 10%
- c) Exstg ASF per 'SPA-FIU.MIS.SPAPRD.F200808.GOODFILE.G0396V00(BOR)' (forwarded by PC 8 Jan 09)
- d) Space Standards Per Florida Bd of Governors, "Space Standards for Fixed Capital Outlay Needs Generation Formula"
- e) Space Standards not listed by Florida Bd of Governors used a hybrid of CEFPI Standards and P+W benchmark data

**Note:**

Exstg ASF per 'SPA-FIU.MIS.SPAPRD.F200808.GOODFILE.G0396V00(BOR)' (forwarded by PC 8 Jan 09)  
 Space Standards Per Florida Bd of Governors, "Space Standards for Fixed Capital Outlay Needs Generation Formula"  
 Space Standards not listed by Florida Bd of Governors used a hybrid of CEFPI Standards and P+W benchmark data

**e) Existing Total Credit Hours**

**Table 5.5 Actual Student Credit Hours for Each Campus and Campus Wide**

CAMPUS	STUDENT CREDIT HOURS
<b>Modesto A. Maidique</b>	684,888
<b>Biscayne Bay</b>	117,991
<b>Pines Center</b>	21,184
<b>Other</b>	146,656
<b>UNIVERSITY WIDE</b>	868,940

Source: FIU 2008 Fact Book: OPIE Full Time Equivalent, Fundable Student Credit Hours, & SCH By Campus

**(2) ANALYSIS REQUIREMENTS**

**a) Future Student Credit Hours Projection**

Table 5.6 Projected Student Credit Hours

	2005 UNDERGRD.	2005 GRADUATE	2010 UNDERGRD.	2010 GRAD.
<b>UNIVERSITY WIDE</b>	794,080	113,248	1,042,608	148,692

Source: FIU-Planning and Institutional Effectiveness

**b) Future Weekly Student Contact Hours (WSCH) Projection**

Table 5.7 Projected Weekly Student Contact Hours by Campus

	2005 UNDERGRD.	2005 GRADUATE	2010 UNDERGRD.	2010 GRAD.
<b>UNIVERSITY WIDE</b>	<a href="#">30,542</a>	<a href="#">-4,356</a>	<a href="#">40,100</a>	<a href="#">5,719</a>

Source: FIU, 2000.

**c) Future Space Utilization Projection**

Information was not available to complete this response.

**d) Future Net and Gross Building Area Requirements by Building Increments**

Net and gross building area planned improvements and requirements by building increment are contained in Table 5.10 and represent calculated deficiencies using standard ratios developed in the Capital Improvements Plan, 2001 and the enrollment projections contained in Table 5.1. These increments consider those Gross Academic Building Area Needs as shown on Table 5.9. The projected growth of students at FIU and the relative academic building deficiencies that already exist, mandate that space needs at FIU be addressed by the addition of new facilities and not the renovation of existing facilities.

**University Park Campus (UP)**

Space Code	Space Category	Florida Standard	Fall 2008	FTE	18,038	Under Const ASF + CIP Plan ASF	2015	2020	2024			
			Existing ASF*	Guideline ASF	Surplus (Deficit)		Projected Exist ASF	Guideline ASF	Projected Exist ASF	Surplus (Deficit)		
			ASF/FTE	ASF	ASF/FTE		Surplus (Deficit)	Surplus (Deficit)	Surplus (Deficit)			
110	Classrooms + Service	12.08	129,909	217,899	12.08	92,120	222,029	250,298	222,029	364,638	(142,807)	
210	Teaching Labs + Service	13.77	162,184	248,383	13.77	59,310	221,504	285,314	221,504	415,649	(194,145)	
220	Open Labs		77,980	145,040	7.00		77,980	145,040	77,980	211,286	(133,316)	
250	UP Research Labs + Service	8.88	159,126	160,394	8.89	46,528	205,654	184,242	205,654	268,406	(62,752)	
250	EC Research Labs + Service	0.99	68,128	17,822	0.39	0	68,128	20,471	68,128	29,823	38,305	
300	Officers / Computer	36.88	498,958	865,241	36.88	219,243	718,201	784,153	718,201	1,113,227	(395,026)	
400	Study / Library	17.54	183,988	10,200	316,387	17.54	289,878	383,429	289,878	529,447	(239,569)	
520	Teaching Gymnasium	5.77	109,139	6.05	104,079	5.77	109,139	119,554	109,139	174,168	(65,029)	
530	Media Production	1.13	9,975	0.55	20,383	1.13	13,323	23,414	13,323	34,109	(20,784)	
540	Clinic		0	0	7,215	0	0	8,288	0	12,074	(12,074)	
550	Demonstration		4,033	0.22	1,804	0.10	4,033	2,072	4,033	3,019	1,014	
560	Field Buildings		0	0.00	0	0	0	0	0	0	0	
570	Animal Quarters		1,284	0.07	11,000	0.51	1,284	12,838	1,284	18,408	(17,114)	
580	Greenhouses		3,466	0.19	9,019	0.50	3,466	10,360	3,466	15,093	(11,627)	
590	Other		6,639	0.37	6,639	0.37	6,639	7,828	6,639	11,110	(4,471)	
610	Assembly	3.00	67,389	3.74	54,114	3.00	18,889	62,160	86,888	90,555	(4,467)	
620	Exhibition	(610,620)	45,405	Included Above in Cat 610	6.32		45,405	143,379	45,405	208,877	(163,472)	
630	Food Service		0	0	0		0	0	0	0	0	
640	Day Care		0	0	0		0	0	0	0	0	
650	Student Lounge		19,289	1.07	36,076	2.00	19,289	41,440	19,289	60,370	(41,071)	
660	Merchandising		38,402	2.13	54,114	3.00	38,402	62,160	38,402	90,555	(52,153)	
670	Recreation		36,048	2.00	36,076	2.00	36,048	41,440	36,048	60,370	(24,322)	
680	Meeting Room (other than 680)	0.60	25,263	1.40	10,823	0.50	27,263	12,432	27,263	18,111	9,152	
690	Student Academic Meeting Room					2,000						
700	Central Computer / Telecomm	7.06	73,560	4.08	127,709	7.08	73,560	146,898	73,560	213,711	(140,151)	
720	Shop / Central Service											
730	Central Storage											
740	Vehicle Storage (ramps not incl)											
750	Central Service					32,490						
760	Hazardous Materials											
800	Health Care											
<b>TOTAL ACADEMIC SPACE</b>							<b>559,420</b>	<b>2,252,965</b>	<b>2,714,430</b>	<b>2,252,965</b>	<b>3,954,412</b>	<b>(1,701,547)</b>
<b>HOUSING UP</b>							<b>416</b>	<b>7,824</b>	<b>7,824</b>	<b>7,824</b>	<b>1,239,862</b>	<b>(1,232,038)</b>
<b>Assumed annual growth rate</b>							<b>2.00%</b>	<b>2.00%</b>	<b>2.00%</b>	<b>2.00%</b>	<b>2.00%</b>	<b>2.00%</b>
<b>Accumulated Rate</b>							<b>7</b>	<b>7</b>	<b>7</b>	<b>19</b>	<b>19</b>	<b>19</b>
<b>Projected Exist ASF</b>							<b>3,125</b>	<b>3,125</b>	<b>3,125</b>	<b>3,125</b>	<b>3,125</b>	<b>6,037</b>
<b>Target Surplus (Deficit)</b>							<b>(859)</b>	<b>(859)</b>	<b>(859)</b>	<b>(859)</b>	<b>(859)</b>	<b>(2,812)</b>
<b>Exist ASF</b>							<b>530,969</b>	<b>196</b>	<b>530,969</b>	<b>530,969</b>	<b>530,969</b>	<b>14,986</b>
<b>Target Ratio</b>							<b>17.455</b>	<b>0.842</b>	<b>17.455</b>	<b>17.455</b>	<b>17.455</b>	<b>28,141</b>
<b>Number of Stalls (per KHA calls)</b>							<b>0.342</b>	<b>0.481</b>	<b>0.342</b>	<b>0.342</b>	<b>0.342</b>	<b>14,986</b>
<b>Stalls per FTE (resulant)</b>							<b>0.348</b>	<b>0.481</b>	<b>0.348</b>	<b>0.348</b>	<b>0.348</b>	<b>14,986</b>
<b>Stalls per HC (resulant)</b>							<b>0.481</b>	<b>0.481</b>	<b>0.481</b>	<b>0.481</b>	<b>0.481</b>	<b>14,986</b>
<b>Less Stalls Removed for New Bldgs</b>							<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Net Stalls</b>							<b>14,986</b>	<b>14,986</b>	<b>14,986</b>	<b>14,986</b>	<b>14,986</b>	<b>14,986</b>

EC is 5.5% of total ASF, with exception of Cat 250 which will set based on ratios agreed by FIU admin.

NOTES:

- a) Projections based on 2008 FTE and 2% per annum growth rate to Year 2015
- b) Space Standards Per Florida Bd of Governors, "Space Standards for Fixed Capital Outlay Needs Generation Formula"
- c) Space Standards not listed by Florida Bd of Governors used a hybrid of CEFPI Standards and P+W benchmark data
- d) Grossing Factor: ASF = 62% of GSF
- e) All space categories include supporting service space
- f) Category 250 Research Lab space was prorated between MAM and EC as follows: MAM 90% and EC = 10%
- g) Exstg ASF per 'SPA-FIU.MIS.SPAPRD.F200808.GOODFILE.G0396V00(BOR)' (forwarded by PC 8 Jan 09)
- h) Proposed CIP projects source: 2008 CIP Plan

Space Code	Space Category	Florida Standard <sup>1</sup>	Fall 2008		2015		2024	
			Exstg ASF	Guideline ASF/FTE	Exstg ASF	Guideline ASF	Exstg ASF	Guideline ASF
110	Classrooms + Service	11.84	49,093	35,177	40,407	51,093	58,885	4,972
210	Teaching Labs + Service	9.73	49,713	28,968	33,206	50,713	48,375	12,469
220	Open Labs		22,548	7,591	20,797	22,548	34,802	284
300	Research Labs + Service	13.08	16,108	5,42	38,861	24,108	65,030	167
350	Offices / Computer	29.08	81,395	27,40	86,397	99,195	144,578	318
400	Study / Library	16.51	31,174	10,49	49,051	38,174	82,083	
520	Teaching Gymnasium	0.00	8,779	2,95	8,779	14,691	14,691	
530	Instructional Media	0.50	1,529	0.51	1,486	2,329	2,488	
540	Clinic		0	0.00	1,188	0	1,989	
550	Demonstration		0	0.00	397	0	497	
560	Field Buildings		0	0.00	0	0	0	
570	Animal Quarters		0	0.00	0	0	0	
580	Greenhouses		49	0.02	1,488	49	2,485	
590	Other		0	0.00	0	0	0	
610	Assembly	3.00	16,279	5,48	8,913	16,279	14,915	
620	Exhibition	(610/620)		Included Above in Cat 610				
630	Food Service		23,437	7.88	24,377	23,437	41,798	
640	Day Care		0	0.00	0	0	0	
650	Student Lounge		1,403	0.47	8,913	1,403	14,915	
660	Merchandising		6,813	2.20	7,428	6,813	12,429	
670	Recreation		1,971	0.66	4,457	1,971	7,453	
680	Meeting Room (other than 680)	0.60	1,499	0.50	1,783	3,499	2,983	
690	Student Academic Meeting Room			Included Above in Cat 680				
710	Shop / Computer / Telecomm		24,220	8.15	21,035	24,820	35,200	
720	Shop / Central Service			Includes Cats 710-760				
730	Central Storage			Includes Cats 710-751				
740	Vehicle Storage (ramps not incl)	7.06		Includes Cats 710-752				
750	Central Service			Includes Cats 710-753				
760	Hazardous Materials			Includes Cats 710-754				
800	Health Care		1,111	0.37	2,291	1,111	3,834	
<b>TOTAL ACADEMIC SPACE</b>			<b>331,121</b>	<b>111,45</b>	<b>352,222</b>	<b>376,321</b>	<b>589,414</b>	<b>(213,093)</b>
					<b>45,200</b>			
								<b>2.00%</b>
								<b>114.87%</b>
								<b>19</b>
								<b>145.68%</b>
								<b>2.00%</b>
								<b>145.68%</b>

  

Space Code	Space Category	Florida Standard <sup>1</sup>	Exstg ASF	Guideline ASF/FTE	Surplus (Deficit)
900	Housing		300	594	(294)
			Target %	20%	Surplus (Deficit)
			Exstg ASF	80,161	287
			Assume Exstg ASF/Bof	70%	382
			Exstg	2,229	2,229
			Number of Stalls	2,780	(551)
			Stalls per FTE	0.750	0.815
			Stalls per HC	0.238	0.324
			Less Stalls Removed for New Bldgs	-000	-000
			Net Stalls	2,229	2,229

  

Space Code	Space Category	Florida Standard <sup>1</sup>	Exstg ASF	Guideline ASF/FTE	Surplus (Deficit)
Pkg	Parking		2,229	3,744	(1,515)
			Number of Stalls	2,229	5,671
			Stalls per FTE	0.653	1.141
			Stalls per HC	0.178	0.454
			Less Stalls Removed for New Bldgs	-000	-000
			Net Stalls	2,229	2,229



NOTES:

- a) Projections based on 2008 FTE and 2% per annum growth rate to Year 2015
- b) Space Standards Per Florida Bd of Governors, "Space Standards for Fixed Capital Outlay Needs Generation Formula"
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- d) Grossing Factor: ASF = 62% of GSF
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- h) Proposed CIP projects source: 2008 CIP Plan

Bldg No.	Building Name	Completed	ASF	GSF	Classrooms	Teaching Labs	Research Labs	Offices/Computer	Study/Library	Reading Rm	Instructional Media	Auditorium/Exhibit	Student Academic Support	Campus Support Services	Total ASF
1	Univ Park College of Nursing & Health Sciences (Molecular Biology) / Health Sciences Laboratory Clinic		62,152	100,633	12,000	18,400	8,617	21,515	0	0	0	0	0	1,900	62,152
Total (Under Construction)			62,152	100,633	12,000	18,400	8,617	21,515	0	0	0	0	0	1,900	62,152

**2009-10 CIP-2 CIP-3 CIP-3B - Final 1.05.09.doc**

Bldg No.	Building Name	Shown in Previous	ASF	GSF	Classrooms	Teaching Labs	Research Labs	Offices/Computer	Study/Library	Reading Rm	Instructional Media	Auditorium/Exhibit	Student Academic Support	Campus Support Services	Total ASF
2	Univ Park Student Academic Support Center		50,000	80,000	6,000	0	0	32,400	10,000	0	0	0	1,670	0	56,000
4	Public Safety Bldg Supplement		2,500	4,000	0	0	2,500	0	0	0	0	0	0	0	2,500
5	Social Sciences I Phase I Completion		na	na	0	0	0	0	0	0	0	0	0	0	0
6	Sarahila Chiller Plant Expansion		7,500	10,000	0	0	0	500	0	0	0	0	0	7,000	7,500
10	Humanities Center (Arts + Sciences)		48,500	77,600	4,000	15,000	5,000	15,500	4,000	0	0	0	0	0	43,500
11	Graduate School of Business I Phase II		55,820	89,312	9,900	3,470	0	40,740	800	0	0	0	0	0	54,820
12	Science Laboratory Complex		75,500	127,200	7,500	4,800	28,000	20,000	17,000	0	2,000	0	0	0	76,500
14	Concert Mgmt + Engineering Expansion		17,400	27,840	3,960	6,000	0	4,400	0	0	0	0	0	0	14,360
15	Training Complex (Human Resources)		25,270	40,520	0	0	0	14,420	0	0	0	0	0	10,000	24,420
16	Honors College		24,730	36,648	9,000	0	3,000	8,880	1,000	0	0	0	0	0	21,888
17	Science Science I Phase II		36,878	57,065	9,000	0	18,878	3,200	0	1,000	0	0	0	5,000	38,008
18	College of Law BR 822		96,475	153,768	10,960	12,500	0	12,925	45,000	0	350	0	470	1,300	82,835
19	BRCC - Mail of Wood Testing Facility		1,651	1,961	0	0	1,651	0	0	0	0	0	0	0	1,651
20	College of Nursing + Health Sciences (Molecular Biology) Laboratory Clinic		0	0	0	0	0	0	0	0	0	0	0	0	0
22	Engineering Center I Lab Remodeling and Expansion		250	312	0	0	250	0	0	0	0	0	0	0	250
24	Graduate School of Business I Phase 1		54,735	87,926	20,400	0	22,760	4,580	0	0	0	4,375	0	2,450	54,735
25	Patricia and Philip Frost Art Museum (UP BR-809)		30,839	48,874	0	0	0	5,765	0	0	0	14,324	0	5,100	25,189
Total CIP Plan Projects (UP Campus)			530,818	847,598	90,120	48,970	37,811	197,698	65,880	0	3,350	18,698	2,000	30,890	497,228

**Shown as Under-Construction above**

Bldg No.	Building Name	Shown in Previous	ASF	GSF	Classrooms	Teaching Labs	Research Labs	Offices/Computer	Study/Library	Reading Rm	Instructional Media	Auditorium/Exhibit	Student Academic Support	Campus Support Services	Total ASF
13	Classroom I (Office Academic IV)		36,900	51,000	8,000	0	6,000	16,800	6,000	0	800	0	0	400	46,000
21	Hospitality Management I (Carnival Student Center)		1,770	2,550	0	0	0	700	1,000	0	0	0	0	0	1,770
23	Hospitality Management I (Beverage Management Center)		3,500	5,600	0	1,000	0	300	0	0	0	0	2,000	200	3,500
Total CIP Plan Projects (BR Campus)			44,800	62,150	8,000	1,000	6,000	17,800	7,000	0	800	0	2,000	600	45,200

## SUPPLEMENT: SPACE PROJECTION OVERVIEW

The following outlines the projected space requirements for the target years of 2015 and 2034. The base and target years include the following components: existing baseline square footage, square footage added due to projects in design or construction, Capital Improvement Plan (CIP), reduction of square footage due to demolished facilities, and square footage need per student enrollment.

### 1.0 CLASSROOM SPACE (CEFPI Category 110/115)

#### **Modesto A. Maidique**

In Florida Board of Governors document titled, *Space Standards for fixed Capital Outlay Needs Generation Formula*, the planning allocation stated is 12.08 ASF per FTE.

There is a significant current net deficit of 87,990 ASF. This equates to a current allocation of 7.20 ASF/FTE. With 92,120 ASF of classroom space that is planned to be constructed, there would be 222,029 ASF, which would equate to a net deficit of 28,269 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 142,607 ASF in Target Year 2034.

#### **Biscayne Bay**

In Florida Board of Governors document titled, *Space Standards for fixed Capital Outlay Needs Generation Formula*, the planning allocation stated is 11.84 ASF per FTE.

There is a net surplus of 7,916 ASF. This equates to a current allocation of 14.50 ASF/FTE. With 8,000 ASF of classroom space to be constructed, there would be 51,093 ASF, which equates to a surplus of 10,686 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 7,772 ASF in Target Year 2034.

Note: With '*Student Centered Learning*' as a goal of the University, space allocations for classrooms, seminar rooms, casual learning spaces, etc. should be reviewed so that the allocated areas per student support *Student Centered Learning*.

Typical classrooms range from 15 – 20 ASF per student station (22 ASF is the Florida State System standard), while *Student Centered Learning* spaces are typically allocated at 25 – 30 ASF per student station for highly flexible instructional spaces. As might be imagined, the increased allocation can have a significant ripple effect in space needs that can be substantial. The ASF needs should be reassessed over time to correlate with the level of implementation for *Student*

*Centered Learning.*

**210 TEACHING LABORATORY SPACE (Cat 210/215)**

**Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 13.77 ASF per FTE.

There is a significant current net deficit of 86,169 ASF. This equates to a current allocation of 8.99 ASF/FTE. With 59,310 ASF of lab space that is planned to be constructed, there would be 221,504 ASF, which would equate to a net deficit of 63,810 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 194,145 ASF in Target Year 2034.

**Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 9.73 ASF per FTE.

There is a current net surplus of 20,805 ASF. This equates to a current allocation of 16.73 ASF/FTE. With 1,000 ASF of lab space that is planned to be constructed, there would be 50,713 ASF, which would equate to a net surplus of 17,507 ASF in Target Year 2015.

With no further ASF constructed, there would be a negligible surplus of 2,338 ASF in Target Year 2034.

**220 OPEN LABORATORY SPACE (Cat 220/225)**

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula* does not indicate a planning allocation for Open Laboratory Space. Therefore, the CEFPI standard was reviewed (3.7 – 9.2 ASF/FTE), and a rate of 7.0 ASF/FTE was used based on observations, staff commentary, high percentage of commuters, and planner's expertise / judgment.

**Modesto A. Maidique**

There is a current net deficit of 48,286 ASF. This equates to a current allocation of 4.32 ASF/FTE. With 0 ASF of Open Lab space planned for construction, there would be a net deficit of 67,060 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 133,316 ASF in Target Year 2034.

**Biscayne Bay**

There is a current small surplus of 1,751 ASF. This equates to a current allocation of 7.59 ASF/FTE. With 0 ASF of Open Lab space planned for construction, there

would be a small deficit of 1,341 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 12,254 ASF in Target Year 2034.

## **250 RESEARCH LABORATORY (Cat 250/255)**

NOTE: Per FIA instructions, the Modesto A. Maidique Campus was allocated at 90% of the total MAM Campus, while the Engineering Center was allocated at 10% of the MAM Campus total.

With the 90/10% split between MAM and EC, this pro rates out to a Florida Board of Governor's Space Allocation of 8.89 ASF/FTE on the MAM Campus, and 0.99 ASF/FTE on the EC Campus.

### **Modesto A. Maidique (excluding EC)**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 8.89 ASF per FTE.

There is a current deficit of 1,268 ASF. This equates to a current allocation of 8.82 ASF/FTE. With 46,528 ASF of Research Lab space planned for construction, there would be a surplus of 21,412 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 62,752 ASF in Target Year 2034.

### **Engineering Center**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 0.99 ASF per FTE.

There is a current surplus of 50,306 ASF. This equates to a current allocation of 3.78 ASF/FTE. With 0 ASF of Research Lab space planned for construction, there would be a surplus of 47,657 ASF in Target Year 2015.

With no further ASF constructed, there would be a net surplus of 38,305 ASF in Target Year 2034.

### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 13.08 ASF per FTE.

There is a current deficit of 22,753 ASF. This equates to a current allocation of 13.08 ASF/FTE. With 8,000 ASF of Research Lab space planned for construction, there would be a deficit of 20,531 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 40,922 ASF in

Target Year 2034.

### **300 OFFICE SPACE (Cat 310/315/350/355)**

Note: As is typical with most universities and colleges, office space and associated support spaces account for the largest block of space groups on campus.

(MAM Office space = 29% of total, while BB = 25%.)

#### **Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 36.88 ASF per FTE.

There is a significant current net deficit of 166,283 ASF. This equates to a current allocation of 27.66 ASF/FTE. With 219,243 ASF of office space that is planned to be constructed, there would be 718,201 ASF, which would equate to a net deficit of 45,952 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 395,026 ASF in Target Year 2034.

#### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 29.08 ASF per FTE.

There is a current net deficit of 5,002 ASF. This equates to a current allocation of 27.40 ASF/FTE. With 17,800 ASF of office space that is planned to be constructed, there would be 99,195 ASF, which would equate to a net deficit of 48 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 45,383 ASF in Target Year 2034.

### **400 STUDY AND LIBRARY SPACE (Cat 410 and 420/430 and 440)**

Note that Category 400 Study and Library Space include spaces within buildings in addition to the main facilities.

Includes the following breakdown:

- Study (Cat 410)
- Stack + Open Stack Study Room (Cat 420/430)
- Processing Room (Cat 440)

#### **Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a

planning allocation of 17.54 ASF per FTE.

There is a significant current net deficit of 132,389 ASF. This equates to a current allocation of 10.20 ASF/FTE. With 85,680 ASF of study space that is planned to be constructed, there would be 269,678 ASF, which would equate to a net deficit of 93,751 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 259,769 ASF in Target Year 2034.

### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 16.51 ASF per FTE.

There is a current net deficit of 17,877 ASF. This equates to a current allocation of 10.49 ASF/FTE. With 7,000 ASF of study space that is planned to be constructed, there would be 38,174 ASF, which would equate to a net deficit of 18,170 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 43,909 ASF in Target Year 2034.

## **500 SPECIAL USE FACILITIES**

### **520 Teaching Gymnasium + Service (Cat 520/523/525)**

#### **Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 5.77 ASF per FTE.

There is a current net surplus of 5,060 ASF. This equates to a current allocation of 6.05 ASF/FTE. With 0 ASF of gym space that is planned to be constructed, there would be 109,139 ASF, which would equate to a net deficit of 10,415 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 65,029 ASF in Target Year 2034.

#### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 0 ASF per FTE.

There is a current net surplus of 8,779 ASF (which is the current ASF). This equates to a current allocation of 2.95 ASF/FTE. With 0 ASF of gym space planned to be constructed, there would be 8,779 ASF, which would equate to a net deficit of 1,305 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 5,912 ASF in Target Year 2034.

### **530 Media Production + Service (Cat530/535)**

Note: Although the deficit does not represent a large ASF number in comparison to other areas in the University, this category should be reviewed in more detail since it supports the emerging technological support of educational delivery methods on campus.

#### **Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 1.33 ASF per FTE.

There is a current net deficit of 10,408 ASF. This equates to a current allocation of 0.55 ASF/FTE. With 3,350 ASF of media production space that is planned to be constructed, there would be 13,325 ASF, which would equate to a net deficit of 10,089 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 20,784 ASF in Target Year 2034.

#### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 0.50 ASF per FTE.

There is a current negligible surplus of 44 ASF. This equates to a current allocation of 0.51 ASF/FTE. With 800 ASF of media production space planned to be constructed, there would be 2,329 ASF, which would equate to a net surplus of 623 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 157 ASF in Target Year 2034.

### **540 Clinic + Service (Cat540/545)**

Note: *Space Standards for fixed Capital Outlay Needs Generation Formula* does not indicate a planning allocation for Clinic Space. Therefore, the CEFPI standard was reviewed (0.40 ASF/FTE or ad hoc), and a rate of 0.40 ASF/FTE was used based on observations, staff commentary, high percentage of commuters, and planner's expertise / judgment.

#### **Modesto A. Maidique**

There is not a current allocation. There is a current net deficit of 7,215 ASF. With 0 ASF of clinic space planned for construction, there would be a net deficit of



8,288 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 12,074 ASF in Target Year 2034.

### **Biscayne Bay**

There is not a current allocation. There is a current net deficit of 1,188 ASF. With 0 ASF of clinic space planned for construction, there would be a net deficit of 1,365 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 1,989 ASF in Target Year 2034.

## **550 Demonstration + Service (Cat550/555)**

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does not indicate a planning allocation for Demonstration Space. Therefore, the CEFPI standard was reviewed (0.40 ASF/FTE or ad hoc), and a rate of 0.10 ASF/FTE was used.*

### **Modesto A. Maidique**

There is not a current allocation. There is a current net deficit of 2,229 ASF. With 0 ASF of demonstration space planned for construction, there would be a net surplus of 1,961 ASF in Target Year 2015.

With no further ASF constructed, there would be a surplus of 1,014 ASF in Target Year 2034.

### **Biscayne Bay**

There is not a current allocation. There is a current net deficit of 297 ASF. With 0 ASF of demonstration space planned for construction, there would be a net deficit of 341 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 497 ASF in Target Year 2034.

## **580 Greenhouses + Service (Cat580/585)**

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does not indicate a planning allocation for greenhouse space. Therefore, the CEFPI standard was reviewed (0.50 ASF/FTE or ad hoc), and a rate of 0.50 ASF/FTE was used.*

### **Modesto A. Maidique**

There is not a current allocation. There is a current net deficit of 5,553 ASF. With 0 ASF of greenhouse space planned for construction, there would be a net deficit

of 6,894 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 11,267 ASF in Target Year 2034.

### **Biscayne Bay**

There is not a current allocation. There is a current net deficit of 1,437 ASF. With 0 ASF of greenhouse space planned for construction, there would be a net deficit of 1,657 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 2,437 ASF in Target Year 2034.

## **600 GENERAL USE FACILITIES**

### **610/ Assembly & Service (Cat 610/615)**

### **620 Exhibition Space & Service (Cat 620/625)**

Note: The Florida Board of Governors' *Space Standards for fixed Capital Outlay Needs Generation Formula* list categories 610 and 620 as one single space allocation. That allocation is 3.0 ASF/FTE for both the MAM and BB campuses.

### **Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 3.00 ASF per FTE.

There is a current net surplus of 13,275 ASF. This equates to a current allocation of 3.74 ASF/FTE. With 18,699 ASF of Assembly/Exhibition space that is planned to be constructed, there would be 86,088 ASF, which would equate to a net surplus of 23,928 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 4,467 ASF in Target Year 2034.

### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation of 3.00 ASF per FTE.

There is a current net surplus of 7,366 ASF. This equates to a current allocation of 5.48 ASF/FTE. With 0 ASF of Assembly/Exhibition space to be constructed, there would be 16,279 ASF, which would equate to a net surplus of 6,041 ASF in Target Year 2015.

With no further ASF constructed, there would be a surplus of 1,364 ASF in Target Year 2034.

### **630 Food Service (Cat 630/635)**

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does not indicate a planning allocation for Food Service. Therefore, the CEFPI method using 'Planning Head Count' (PHC) was applied.*

Food service calculations are based on lunch hour service, since it is the largest demand period on campus. The 'Planning Head Count' (PHC) is based on percentages of students with meal cards, students without meal cards, and faculty and staff. Seating turnover rate was 2.5 "turns" per lunch hour. Refer to "Calculations" section in *Space Needs Analysis* document for additional assumptions.

#### **Modesto A. Maidique**

The PHC used for Modesto A. Maidique was calculated at 28,576, with 2.5 turns at peak hours.

There is not a current allocation. There is a current net deficit of 79,415 ASF. With 0 ASF of food service space planned for construction, there would be a net deficit of 97,974 ASF in Target Year 2015.

With no further ASF constructed, there would be a large deficit of 163,472 ASF in Target Year 2034.

#### **Biscayne Bay**

The PHC used for Biscayne Bay was calculated at 6,004, with 2.5 turns at peak hours.

There is not a current allocation. There is a small net deficit of 1,540 ASF. With 0 ASF of food service space planned for construction, there would be a net deficit of 5,254 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 18,361 ASF in Target Year 2034.

### **650 Student Lounge + Service (Cat 650/655)**

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does not indicate a planning allocation for Student Lounge Space. Therefore, the CEFPI standard was reviewed (2.00 ASF/FTE or ad hoc), and a rate of 2.00 ASF/FTE was used.*

#### **Modesto A. Maidique**

There is not a current allocation. There is a net deficit of 16,777 ASF. With 0 ASF of student lounge space planned for construction, there would be a net deficit of 22,141 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 41,071 ASF in Target Year 2034.

### **Biscayne Bay**

There is not a current allocation. There is a current net deficit of 7,510 ASF. With 0 ASF of student lounge space planned for construction, there would be a net deficit of 8,835 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 13,512 ASF in Target Year 2034.

Note: As part of a Student Centered Learning environment, it is encouraged that students (and faculty) be provided informal spaces for “productive collisions”. These spaces are where students, faculty and administrators can be “encouraged” to cross paths when they otherwise might not, thus providing opportunities for cross pollination of disciplines and ideas.

## **660 Merchandising + Service (Cat 660/665)**

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does not indicate a planning allocation for merchandising space. Therefore, the CEFPI standard was reviewed (3.00 ASF/FTE or ad hoc), and a rate of 3.00 ASF/FTE was used.*

### **Modesto A. Maidique**

In Fall 2008 Merchandising has a deficit of 15,712 ASF, and remains a deficit at 23,758 ASF in target year 2015, and a deficit of 52,153 ASF in target year 2034.

With an increase of resident students, this figure should be reviewed, and may possibly need to be adjusted upwards. (could be much larger dependent on residents' behavior)

### **Biscayne Bay**

In Fall 2008 Merchandising has a small deficit of 615 ASF, and remains a deficit at 1,719 ASF in target year 2015, and a deficit of 5,616 ASF in target year 2034.

With an increase of resident students, this figure should be reviewed, and may possibly need to be adjusted upwards. (could be larger dependent on residents' behavior)

## **670 Recreation + Service (Cat 670/675)**

This CEFPI category is intended to include such spaces as arcade rooms, table games, fitness, TV viewing, etc., and can include physical education spaces if used for non-instructional purposes.

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does not indicate a planning allocation for recreation space. Therefore, the CEFPI standard was reviewed (1.50 ASF/FTE or ad hoc), and a rate of 1.50 ASF/FTE was used.*

### **Modesto A. Maidique**

The calculation is based on 1.5 ASF/FTE. This equates to a very small deficit of 28 ASF in Year 2006, a net deficit of 5,392 ASF in target year 2015, and a net deficit of 24,322 ASF in target year 2034.

### **Biscayne Bay**

The calculation is based on 1.5 ASF/FTE. This equates to a net deficit of 2,486 ASF in Year 2006, a net deficit of 3,148 ASF in target year 2015, and net deficit of 5,487 ASF in target year 2034.

In light of discussions on this category, review and study of the potential “cross-over” reporting of Categories 520 and 670 (and other categories if necessary) probably warrant further discussion and consideration.

## **680 Meeting Room + Service (Cat 680/685)**

## **690 Student Academic Meeting Room & Service (Cat 690/695)**

### **Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula indicates a planning allocation of 0.60 ASF per FTE.*

There is a current excess of 14,440 ASF. With 2,000 ASF of meeting room space planned for construction, there would be a net surplus of 14,831 ASF in Target Year 2015.

With no further ASF constructed, there would be a net surplus of 9,152 ASF in Target Year 2034.

### **Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula indicates a planning allocation of 0.60 ASF per FTE.*

There is a small deficit of 284 ASF. With 2,000 ASF of meeting room space planned for construction, there would be a net surplus of 1,451 ASF in Target Year 2015.

With no further ASF constructed, there would be a small surplus of 516 ASF in Target Year 2034.

**700 SUPPORT FACILITIES**

**710 Central Computer / Telecomm & Service** (Cat 710/715)

**720 Shop / Central Service** (Cat 720/725)

**730 Central Storage** (Cat 730/735)

**740 Vehicle Storage** (Cat 740/745)

**750 Central Service** (Cat 750/755)

**760 Hazardous Materials & Service** (Cat 760/765)

Note: The Florida Board of Governors' *Space Standards for fixed Capital Outlay Needs Generation Formula* list combined categories 710-760 as one single space allocation.

**Modesto A. Maidique**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 7.08 ASF per FTE.

There is a current net deficit of 54,149 ASF. This equates to a current allocation of 4.08 ASF/FTE. With 32,490 ASF of support space that is planned to be constructed, there would be 73,560 ASF, which would equate to a net deficit of 73,138 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 140,151 ASF in Target Year 2034.

**Biscayne Bay**

*Space Standards for fixed Capital Outlay Needs Generation Formula* indicates a planning allocation 7.08 ASF per FTE.

There is a current net surplus of 3,185 ASF. This equates to a current allocation of 8.15 ASF/FTE. With 600 ASF of support space that is planned to be constructed, there would be 24,820 ASF, which would equate to a net surplus of 658 ASF in Target Year 2015.

With no further ASF constructed, there would be a deficit of 10,380 ASF in Target Year 2034.

**800 HEALTH CARE FACILITIES** (Cat 800)

*Note: Space Standards for fixed Capital Outlay Needs Generation Formula does*

not indicate a planning allocation for Health Care Space. Therefore, the CEFPI standard was reviewed (2.0 ASF/FTE plus core of 2,000 ASF or ad hoc), and a core of 2,000 ASF plus a rate of 0.4 ASF/FTE was used.

### **Modesto A. Maidique**

There is not a current allocation. There is a net deficit of 1,081 ASF. With 0 ASF of health care space planned for construction, there would be a net deficit of 2,094 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 5,668 ASF in Target Year 2034.

### **Biscayne Bay**

There is not a current allocation. There is a net deficit of 1,180 ASF. With 0 ASF of health care space planned for construction, there would be a net deficit of 1,521 ASF in Target Year 2015.

With no further ASF constructed, there would be a net deficit of 2,723 ASF in Target Year 2034.

## **SUMMARY CONCLUSION**

### **Modesto A. Maidique**

The current MAM allocation rate is 95.68 ASF/FTE, while the target rate of 131.00 ASF/FTE is considerably larger. This indicates a significant campus wide deficit per the campus ASF/FTE ratio, which is reflected in considerable crowding on campus for various functions.

### **Biscayne Bay**

The current BB allocate rate is 111.45 ASF/FTE, not far off the target rate of 118.55 ASF/FTE (6.3% lower). This implies that there might be some localized crowding, but on the whole, the BB campus has adequate space to deliver its Mission at its current FTE level.