

Cost of Instruction: Determining the True Cost to Deliver Education



Agenda

- 1 Market Trends & Opportunities
- 2 Our Solution: Cost of Instruction
- 3 Demonstration
- 4 Q & A

Market Trends & Opportunities

Mike Lovell
Product Marketing

New Challenges for Higher Education



- Stagnant Enrollments
- Limited Resources
- Declining Revenue
- Student Retention
- Indeterminable Costs

Making the Case for Cost of Instruction



Colleges Hard-Pressed to Explain Variations in Price

By Eric Kelderman

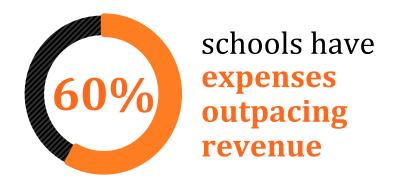


Cost Structure of Post-Secondary Education

Making the Case for Cost of Instruction

We've faced increasing costs, for faculty, staff, instructional resources and other expenses – it's forced us to take a step back...and think about how we can do business better."

Dr. Sadie Gregory, Provost, VP of Academic Affairs, Coppin State University





Our Solution: Cost of Instruction

Lynne Culverhouse Senior Consultant

You Might Be Asking, Hearing, or Thinking...

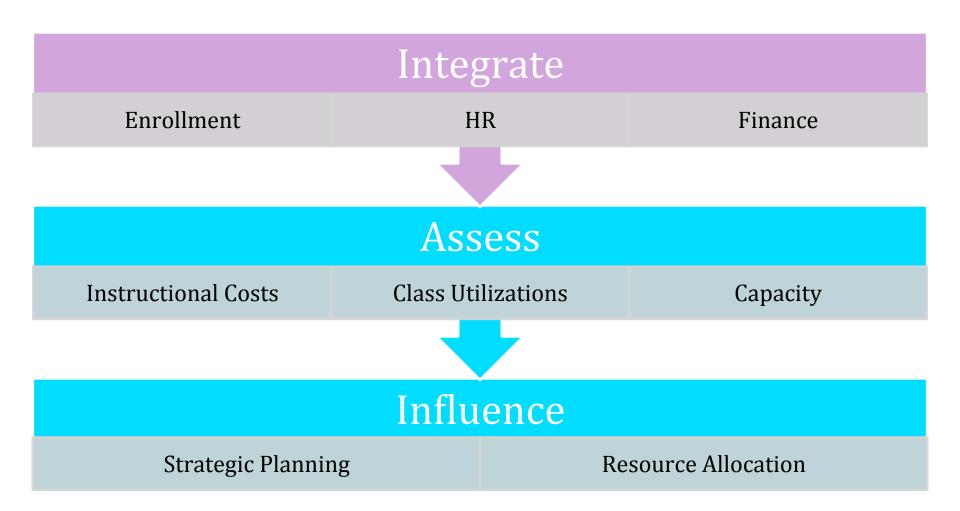
Do instructional costs influence our strategic direction?

What is the effectiveness of our programs?

Can we operate more efficiently?



Our Solution: Cost of Instruction Overview



Our Solution: Cost of Instruction Principles

Built on the Foundation of Blackboard Analytics (Student Management)

Analysis Based at Course and Student Level Rolling Up to Program, Department, and School

On-Going Operational Model

Currently, Not Full-Cost Model

Does Not Measure Academic Quality

Our Delivery: Two Distinct Phases

Phase I:

Process Review & Technical Deployment

Phase II:

Strategic Analysis & Recommendations

Phase I: Process Review & Technical Deployment

Review of ERP System & Business Practices

Implementation of Baseline COI Framework

Customization of Framework

Data Validation & Support

Phase II: Strategic Analysis & Recommendations

Analysis of Information Provided By COI Model

Alignment of COI with Institutional Goals

Customization & Extension Needs Identified

Deliver Recommendations to Leadership

Demo

Steve Grantham Senior Consultant

Instructional Costs by Course Department

Fall 2012 ▼									
1311 2012	Section Count - CSF	Class Enrolled Count	Course Utilization % - CSF	Class Revenue	Class Total Cost	Class Margin	Margin % - CSF		
Interdisciplinary Studies (IDS)	5	47	36.15 %	\$22,911.11	\$9,792.01	\$13,119.10	57.26 %		
Health, PhysicalEd, Recr&Dance (HPERD)	61	1,053	72.52 %	\$466,284.61	\$245,218.14	\$219,978.54	47.18 %		
Humanities (HUMANITIES)	84	1,664	90.09 %	\$829,444.43	\$541,156.03	\$273,280.25	32.95 %		
Hist, Geog & Global Studies (HGEOGGBL)	60	1,159	77.01 %	\$607,159.69	\$441,647.41	\$158,168.94	26.05 %		
Appl Psyc & Rehab Counseling (APPPSYREH)	104	1,543	74.72 %	\$940,942.76	\$733,274.59	\$207,668.17	22.07 %		
Social Sci & Human Serv Admin (SOCIALSCI)	47	782	62.36 %	\$377,030.53	\$294,704.94	\$82,325.59	21.84 %		
Criminal Justice (CRMNLJUSTC)	30	597	70.57 %	\$337,271.71	\$266,543.78	\$70,727.93	20.97 %		
Acct, Managerial Econ & Fin (AMEF)	22	460	75.91 %	\$232,274.05	\$187,106.20	\$45,167.85	19.45 %		
Natural Sciences (NATURALSCI)	98	1,822	79.88 %	\$615,753.18	\$529,448.80	\$85,916.26	13.95 %		
Visual & Performing Arts (VISUALARTS)	62	936	71.40 %	\$459,145.17	\$445,675.00	\$13,185.52	2.87 %		
Social Work (SOCIALWORK)	22	399	86.55 %	\$217,151.76	\$213,135.25	\$4,016.51	1.85 %		
All Academic Orgs	936	15,527	72.98 %	\$7,723,014.08	\$7,564,780.45	\$33,767.93	0.44 %		
Mgmt Sci & Mgmt Info Systems (MNSCMISY)	35	583	74.27 %	\$292,269.88	\$300,643.21	(\$8,373.33)	-2.86 %		
Math & Computer Science (MATHCOMPSC)	67	1,145	76.59 %	\$657,023.30	\$713,964.09	(\$56,940.79)	-8.67 %		
School of Education (ED)	16	229	54.65 %	\$151,528.61	\$197,769.18	(\$46,240.57)	-30.52 %		
Orientation (ORIE)	25	571	97.44 %	\$98,770.87	\$74,929.95	(\$36,653.73)	-37.11 %		
College of Health Professions (NURS)	102	1,693	80.01 %	\$971,441.50	\$1,366,581.19	(\$409,338.54)	-42.14 %		
Management & Marketing (MGMTMKTG)	24	431	65.30 %	\$206,835.79	\$315,943.15	(\$109,107.36)	-52.75 %		
Curriculum & Instruction (CURR&INSTR)	34	199	31.69 %	\$132,698.63	\$309,279.07	(\$176,580.44)	-133.07 %		
Special Education (SPECIALED)	13	90	32.61 %	\$59,512.16	\$256,028.44	(\$197,831.03)	-332.42 %		
Adult & Genl Education (ADULTGENED)	6	27	19.29 %	\$23,570.00	\$121,940.02	(\$98,720.94)	-418.84 %		

Instructional Costs by Course Department

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2012				
	argin % - CSF	Revenue per Class Enrollment - CSF	Cost per Class Enrollment - CSF	Margin per Class Enrollment - CSF
Interdisciplinary Studies (IDS)	57.26 %	\$487.47	\$208.34	\$279.13
Health, PhysicalEd, Recr&Dance (HPERD)	47.18 %	\$442.82	\$232.88	\$208.91
Humanities (HUMANITIES)	32.95 %	\$498.46	\$325.21	\$164.23
Hist, Geog & Global Studies (HGEOGGBL)	26.05 %	\$523.87	\$381.06	\$136.47
Appl Psyc & Rehab Counseling (APPPSYREH)	22.07 %	\$609.81	\$475.23	\$134.59
Social Sci & Human Serv Admin (SOCIALSCI)	21.84 %	\$482.14	\$376.86	\$105.28
Criminal Justice (CRMNLJUSTC)	20.97 %	\$564.94	\$446.47	\$118.47
Acct, Managerial Econ & Fin (AMEF)	19.45 %	\$504.94	\$406.75	\$98.19
Natural Sciences (NATURALSCI)	13.95 %	\$337.95	\$290.59	\$47.15
Visual & Performing Arts (VISUALARTS)	2.87 %	\$490.54	\$476.15	\$14.09
Social Work (SOCIALWORK)	1.85 %	\$544.24	\$534.17	\$10.07
All Academic Orgs	0.44 %	\$497.39	\$487.20	\$2.17
Mgmt Sci & Mgmt Info Systems (MNSCMISY)	-2.86 %	\$501.32	\$515.68	(\$14.36)
Math & Computer Science (MATHCOMPSC)	-8.67 %	\$573.82	\$623.55	(\$49.73)
School of Education (ED)	-30.52 %	\$661.70	\$863.62	(\$201.92)
Orientation (ORIE)	-37.11 %	\$172.98	\$131.23	(\$64.19)
College of Health Professions (NURS)	-42.14 %	\$573.80	\$807.20	(\$241.78)
Management & Marketing (MGMTMKTG)	-52.75 %	\$479.90	\$733.05	(\$253.15)
Curriculum & Instruction (CURR&INSTR)	-133.07 %	\$666.83	\$1,554.17	(\$887.34)
Special Education (SPECIALED)	-332.42 %	\$661.25	\$2,844.76	(\$2,198.12)
Adult & Genl Education (ADULTGENED)	-418.84 %	\$872.96	\$4,516.30	(\$3,656.33)
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Taking a Closer Look at Nursing



Fall 2012 ▼							
	Section Count - CSF	Class Enrolled Count	Course Utilization % - CSF	Class Revenue	Class Total Cost	Class Margin	Margin % - CSF
College of Health Professions (NURS)	102	1,693	80.01 %	\$971,441.50	\$1,366,581.19	(\$409,338.54)	-42.14 %
Management & Marketing (MGMTMKTG)	24	431	65.30 %	\$206,835.79	\$315,943.15	(\$109,107.36)	-52.75 %
Curriculum & Instruction (CURR&INSTR)	34	199	31.69 %	\$132,698.63	\$309,279.07	(\$176,580.44)	-133.07 %
Special Education (SPECIALED)	13	90	32.61 %	\$59,512.16	\$256,028.44	(\$197,831.03)	-332.42 %
Adult & Genl Education (ADULTGENED)	6	27	19.29 %	\$23,570.00	\$121,940.02	(\$98,720.94)	-418.84 %

		Section Count - CSF	Class Enrolled Count	Course Utilization % - CSF	Class Revenue	Class Total Cost	Class Margin	Margin % - CSF
All Class Numbers	All Instruction Modes	102	1,693	80.01 %	\$971,441.50	\$1,366,581.19	(\$409,338.54)	-42.14 %
	World Wide Web	13	302	97.42 %	\$136,714.37	\$148,589.32	(\$11,874.95)	-8.69 %
	In Person	89	1,391	77.02 %	\$834,727.13	\$1,217,991.87	(\$397,463.59)	-47.62 %
Health Information Management (HIM)	All Instruction Modes	9	187	95.41 %	\$72,964.62	\$73,630.23	(\$665.61)	-0.91 %
	World Wide Web	4	103	98.10 %	\$45,557.49	\$37,043.43	\$8,514.06	18.69 %
	In Person	5	84	92.31 %	\$27,407.13	\$36,586.80	(\$9,179.67)	-33.49 %
	All Instruction Modes	9	150	96.77 %	\$78,141.97	\$118,906.92	(\$41,238.67)	-52.77 %
Health Sciences (HSC)	World Wide Web	4	88	97.78 %	\$45,345.32	\$64,158.18	(\$18,812.86)	-41.49 %
	In Person	5	62	95.38 %	\$32,796.65	\$54,748.74	(\$22,425.81)	-68.38 %
Nursing (NURS)	All Instruction Modes	84	1,356	76.83 %	\$820,334.91	\$1,174,044.04	(\$367,434.26)	-44.79 %
	World Wide Web	5	111	96.52 %	\$45,811.56	\$47,387.71	(\$1,576.15)	-3.44 %
	In Person	79	1,245	75.45 %	\$774,523.35	\$1,126,656.33	(\$365,858.11)	-47.24 %



Taking a Closer Look at Nursing







	Section Count - CSF	Class Enrolled Count	Course Utilization % - CSF	Class Revenue	Class Total Cost	Class Margin	Margin % - CSF	R
HIM 305	1	29	96.67 %	\$9,879.99	\$6,739.83	\$3,140.16	31.78 %	
HIM 412	1	30	100.00 %	\$15,065.42	\$10,801.44	\$4,263.98	28.30 %	
HIM 301	1	25	100.00 %	\$12,120.00	\$10,801.44	\$1,318.56	10.88 %	
HIM 402	1	19	95.00 %	\$8,492.08	\$8,700.72	(\$208.64)	-2.46 %	
NURS 210	3	61	93.85 %	\$30,078.89	\$26,900.25	\$3,178.64	10.57 %	
NURS 318	2	50	100.00 %	\$15,732.67	\$20,487.46	(\$4,754.79)	-30.22 %	
HSC 101	1	18	90.00 %	\$9,594.50	\$10,801.44	(\$1,206.94)	-12.58 %	
HSC 190	2	47	104.44 %	\$25,697.72	\$29,270.37	(\$3,572.65)	-13.90 %	
HSC 312	1	23	92.00 %	\$10,053.10	\$24,086.37	(\$14,033.27)	-139.59 %	



Comparison Across Terms





		Section Count - CSF	Class Enrolled Count	Course Utilization % - CSF	Class Revenue	Class Total Cost	Class Margin	Margin % - CSF
Fall 2010	Fall	1,011	16,253	70.80 %	\$8,628,547.76	\$9,215,152.80	(\$647,862.20)	-7.51 %
Winter 2011	Winter	48	320	33.06 %	\$232,516.83	\$204,398.60	\$27,464.73	11.81 %
Spring 2011	Spring	1,001	15,035	66.29 %	\$7,821,702.83	\$8,871,783.77	(\$1,191,176.37)	-15.23 %
Summer I 2011	Summer	208	2,343	49.69 %	\$898,339.43	\$292,844.02	\$319,022.80	35.51 %
Summer II 2011	Summer	26	189	29.49 %	\$115,347.62	\$61,030.53	\$12,042.80	10.44 %
Fall 2011	Fall	949	15,625	71.10 %	\$7,983,152.67	\$9,338,206.83	(\$1,593,775.19)	-19.96 %
Winter 2012	Winter	48	331	31.49 %	\$222,120.33	\$71,742.68	\$51,523.48	23.20 %
Spring 2012	Spring	996	14,786	66.00 %	\$7,222,748.95	\$8,647,883.56	(\$1,792,323.69)	-24.81 %
Summer I 2012	Summer	182	1,910	46.16 %	\$805,625.90	\$116,629.56	\$246,730.28	30.63 %
Summer II 2012	Summer	22	193	40.80 %	\$114,616.32	\$33,444.49	\$17,843.06	15.57 %
Fall 2012	Fall	936	15,534	73.02 %	\$7,701,291.32	\$8,231,011.20	(\$653,857.72)	-8.49 %
Winter 2013	Winter	37	215	27.71 %	\$161,052.16	\$59,878.13	\$88,206.72	54.77 %
Spring 2013	Spring	925	13,964	69.76 %	\$6,811,572.40	\$7,809,958.84	(\$1,084,720.91)	-15.92 %
Summer I 2013	Summer	161	1,594	46.07 %	\$916,098.67	\$258,992.33	\$609,084.40	66.49 %
Summer II 2013	Summer	30	172	31.62 %	\$106,923.84	\$65,727.48	\$30,033.16	28.09 %



Comparison Across Terms



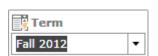


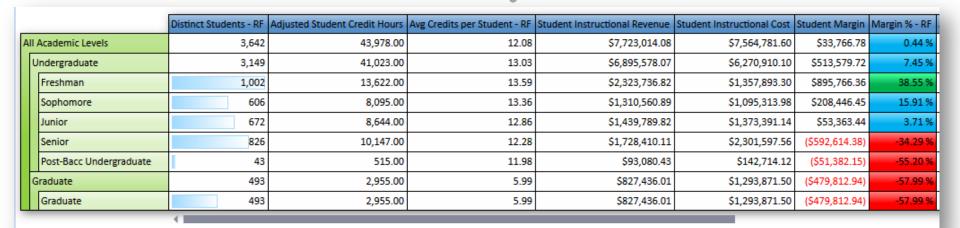
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Spring	Spring 2012	996	14,786	66.00 %	\$7,222,748.95	\$8,647,883.56	(\$1,792,323.69)	-24.81 %
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Summer	Summer II 2012	22	193	40.80 %	\$114,616.32	\$33,444.49	\$17,843.06	15.57 %
	Summer I 2013	161	1,594	46.07 %	\$916,098.67	\$258,992.33	\$609,084.40	66.49 %
	Summer II 2013	30	172	31.62 %	\$106,923.84	\$65,727.48	\$30,033.16	28.09 %
	Winter 2011	48	320	33.06 %	\$232,516.83	\$204,398.60	\$27,464.73	11.81 %
Winter	Winter 2012	48	331	31.49 %	\$222,120.33	\$71,742.68	\$51,523.48	23.20 %
	Winter 2013	37	215	27.71 %	\$161,052.16	\$59,878.13	\$88,206.72	54.77 %



Costs and Revenues by Student Level



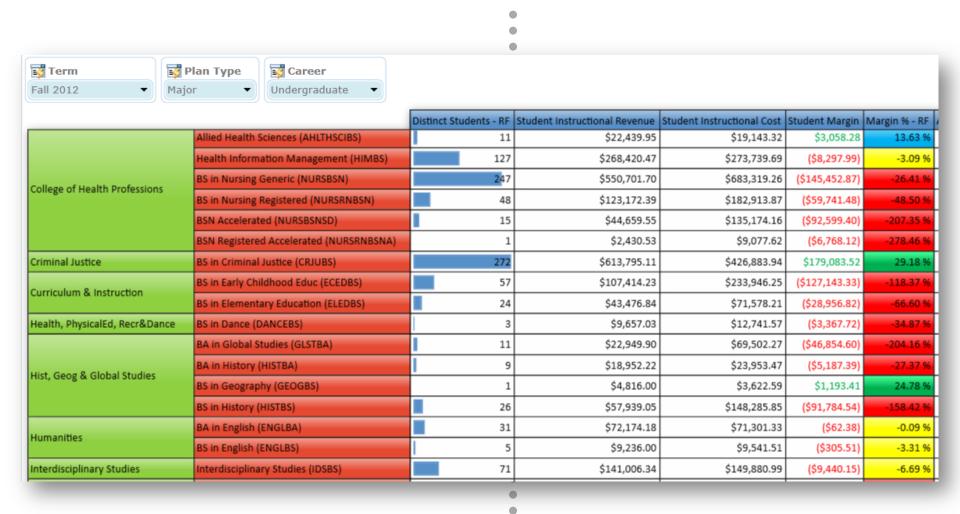






Costs and Revenues by Major





Course Cost for 3 Selected Major Departments





	Appi Psyc & Renab Counseling	college of Health Professions	curriculum & mstruction
Acct, Managerial Econ & Fin (AMEF)	\$3,049.37	\$6,870.68	\$766.20
Appl Psyc & Rehab Counseling (APPPSYREH)	\$190,919.44	\$4,358.08	\$1,430.95
College of Health Professions (NURS)	\$3,111.54	\$1,114,104.08	
Criminal Justice (CRMNLJUSTC)	\$3,684.66	\$810.11	
Health, PhysicalEd, Recr&Dance (HPERD)	\$12,439.09	\$9,375.96	\$638.16
Hist, Geog & Global Studies (HGEOGGBL)	\$20,842.55	\$8,131.57	\$13,590.36
Humanities (HUMANITIES)	\$26,637.47	\$21,155.97	\$17,045.38
Management & Marketing (MGMTMKTG)	\$1,161.63	\$31,235.31	\$12,889.40
Math & Computer Science (MATHCOMPSC)	\$22,726.67	\$16,174.64	\$1 5,180.46
Mgmt Sci & Mgmt Info Systems (MNSCMISY)	\$5,284.70	\$29,073.45	\$3,421.10
Natural Sciences (NATURALSCI)	\$21,040.48	\$22,335.83	\$3,872.86
Orientation (ORIE)	\$815.40	\$8,238.95	\$181.35
School of Education (ED)			\$24,148.03
Social Sci & Human Serv Admin (SOCIALSCI)	\$25,127.30	\$2,630.46	\$2,776.51
Social Work (SOCIALWORK)	\$3,539.66	\$950.22	\$1,808.13
Visual & Performing Arts (VISUALARTS)	\$40,264.00	\$18,017.03	\$2,870.47

Cost of Instruction Learn More:

http://bbbb.blackboard.com/CostOfInstructionVideo