# Miami Dade College Office of the Associate Provost of Academic Affairs

October 16, 2015

#### **MEMORANDUM**

TO: Lenore Rodicio

FROM: Julie Alexander

All curriculum items included in this report were presented and discussed at the October 13, 2015, College CASSC meeting. Approval of curriculum items is for offering at all campuses and centers, all off campus sites, at Honors level and through Distance Education.

Curriculum Requiring Approval

1. English Discipline

•	Course Modification Effective Term: Affected Campus (es):	Spring (2015-2) North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDCWest, Centers, all off campus sites, at Honors level and through Distance Education.
	Administrator (s): Faculty:	Nicholas Spezza/Josett Peat
•	Motion:	The English Language & Literature Discipline is requesting to modify course description to SLO format.

Course No.Course TitleLIT2480Issues in Literature and Culture

# 2. Mathematics Discipline

MAC 1106

• Add New Course Effective Term: Affected Campus (es):	Spring (2015-2) North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC West, Centers, all off campus sites, at Honors level and through Distance Education.
Administrator (s): Faculty:	Alicia Giovinazzo/Vincent Bates
• Motion:	Request to add a new mathematics course to the list of math offerings.
Course No. Course Title	Credits Pre-requisite Fees

5

MAT1033

\$10.00

Integrated College & Precalculus Algebra

#### 3. School of Architecture

Add New College Credit Certificate		
Program:	Building Construction Specialist	
<b>Degree Type:</b> College Credit Certificate (C.C.C.)		
Program Code:	66025	
<b>Program Credits:</b>	18	
<b>Effective Term:</b>	Spring (2015-2)	
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West,	
	Centers, all off campus sites, at Honors level and through Distance	
	Education.	
Administrator (s): Faculty:	Alicia Giovinazzo/John Adkins	
• Motion 1:	Miami Dade College's School of Architecture & Interior Design, is proposing to develop an 18 credit Florida Department of Education (FLDOE) existing C.C.C. in Building Construction Specialist.	
• Motion 2:	Modification to existing courses (Course Descriptions and Course Competencies)	

<b>Course</b>	<u>Title</u>	<b>Credits</b>	<u>Requisites</u>	* <u>Fees</u>
ARC 1126	Architectural Drawing 1	4		\$25.00
BCN 1272	Construction Plans Interpretation 1	3		\$10.00
BCN 1275	<b>Construction Plans Interpretation 2</b>	3	Pre-Req:BCN1272	\$10.00
BCT 1770	Building Construction Estimating Fundamentals	3	Pre-Req:BCN1272	\$10.00
BCT 1771	Building Construction Advanced Estimating	3	Pre-Req:BCN1275, BCT1770	\$10.00
ARC 1949	Co-Op Work Experience	2	<b>Departmental Permission</b>	\$25.00

\*No changes in fees. Fees remain the same.

# 4. School of Engineering and Technology

٠	Existing Course Modification		
	Effective Term:	Spring (2015-2)	
	Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.	
	Administrator (s): Faculty:	Nate Chapman/Diane King	
•	Motion 1:	The School of Engineering & Technologies is requesting to change course title and update course description to reflect course content.	
	<u>Course No.</u> <u>Course Title</u> <u>CCS1060C</u> Introduction t	o Computer Technology & Applications (Now)	

CGS1060C	Introduction to Computer Technology & Applications (New)
	Introduction to Microcomputer Usage (Current)

• Motion 2: The School of Engineering & Technologies is requesting to: 1. Remove pre-requisite CGS1060C from CGS1540C, and 2. Update course description.

# Course No.Course TitleCGS1540CDatabase Concepts Design

•	Add New Course	
	Effective Term:	Fall (2015-1)
	Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
•	Motion 3:	The School of Engineering & Technologies is requesting to create a new course in partnership with Amazon Web Services as part of its academic beta initiative to meet the workforce demand for network administrators skilled in cloud computing architecture.
•	Motion 4:	Approve proposed new fee of \$63.00.
	Proposed Fee:	\$63.00
	Rationale/Justification:	The enrollment projection is based on the average enrollment of students in similar courses across the School considering the college-wide trends $-24$ students.

Course No.Course TitleCTS2375CCloud Infrastructure and Services

# 5. School of Business

Certificate
Business Entrepreneurship – Social Entrepreneurship
College Credit Certificate (C.C.C.)
65097
12
Spring (2015-2)
North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
Thania Rios/Cynthia Conteh/Sarah Tuskey
The School of Business is requesting to modify the existing state Approved College Credit Certificate in Business Entrepreneurship, to add an additional group offering in Social Entrepreneurship utilizing existing courses.

# **Business Entrepreneurship – Social Entrepreneurship** College Credit Certificate

#### Total credits required for the degree is 12

#### MAJOR CORE REQUIREMENTS (12 credits)

SBM 1000	Small Business Management	3	
GEB 2112	Introduction to Entrepreneurship	3	
ENT 2502	Starting and Growing a Social Venture	3	Pre-Req GEB 2112
ENT 2612	Creativity, Innovation, and Human Centered Design	3	

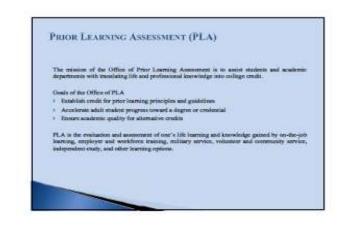
NOTE: Details for all informational and curriculum items requiring approval, are found on the next pages.

Curriculum Report# 201510-01 October 13, 2015

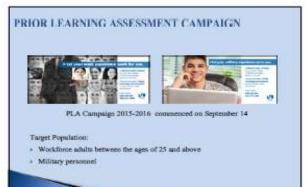
#### **Detailed** Agenda

#### 3. Informational Item

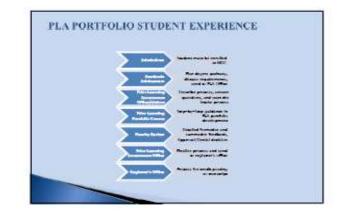


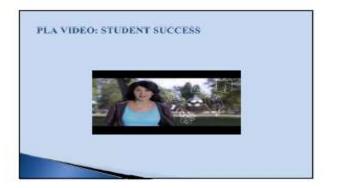






# PRIOR LEARNING STUDENT INTAKE Properties makers topology or whe PLA option is which they are transmood, will take the following maps to bagin process of divisibility criticity gravity for prior transmission, which PLA which are the take to the prior transmission of the PLA option is the state to the State of the State Compare the PLA office of PLA Laboration of your compare Compare the PLA backer form to get means to the State which y and the shall mean or of Compare the PLA backer form to get means to the State of the State of the shall be of Compare the PLA backer form to get means to the State of the State of the shall be of Compare the PLA backer form to get means to the State of the State Compare the PLA backer form to get means to the State Compare the PLA backer form to get means to the State Compare the PLA backer form to get means to the State Compare the PLA backer form to get means the shall be of the state Compare the PLA backer form to get means Compare the PLA backer form to the state Compare the PLA office for additional estimate Compare the PLA office for additional estimate Compare the PLA office for additional estimate Compare the planting the state Compare the PLA backer form the state Compare the planting the state Compare the planting to the state Compare the planting the state Compare the planting the state Compare the planting the state Compare the PLA backer form Compare the planting the state Compare the planting the state Compare the PLA backer Compare the planting the sta







# 4. Approval of Minutes September 8, 2015

# Curriculum Requiring Approval

5.	English Discipline	
	• Course Modification Effective Term: Affected Campus (es):	Spring (2015-2) North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
	Administrator (s): Faculty:	Nicholas Spezza/Josett Peat
	• Motion:	The English Language & Literature Discipline is requesting to modify course description to SLO format.

				<u>Eff.</u>
Course No.	Course Title	Credits	<u>Campus</u>	Term
LIT2480	Issues in Literature and Culture	3	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
Course Description: Students will learn about literature as a socio-cultural response by writers to the world in				
which they live	; they will connect literary texts to	cultural issues	s through completion of ora	l and written
assignments, crit	ical analysis and practical investigation	n. Fulfills Gore	don Rule writing requirement	. Prerequisite:
ENC1102. (3 hr.	lecture).			-

Curriculum Action Rationale: Updating description to SLO Format.

#### 6. Mathematics Discipline

• Add New Course Effective Term: Affected Campus (es):	Spring (2015-2) North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
Administrator (s): Faculty:	Alicia Giovinazzo/Vincent Bates
Motion 1:	Request to add a new mathematics course to the list of math offerings.

Eff. Course No. **Course Title** Credits Campus Term 1, 2, 3, 5, 6, 7/Ctrs. MAC1106 Integrated College & Precalculus Algebra 5 2015-2 **Course Description:** This course is intended for students preparing for STEM careers and will cover topics found in MAC1105 & MAC1140. Students will learn how to analyze linear, quadratic, polynomial, rational, radical, absolute value, composite, inverse, piecewise, exponential, and logarithmic functions; conic sections; systems of equations/inequalities; matrices/determinants; sequence & series; Binomial Theorem; applications of mathematical modeling such as optimization problems, and exponential growth/decay. Prerequisite: MAT1033. (5 hr. lecture).

**Curriculum Action Rationale:** Currently, the accelerated option for STEM majors is MAC1147. However, this option is viable (in the sense that the student has a reasonable chance of success) to students with very a strong background in algebra who place directly into it or who do exceedingly well in MAC1105. The path most STEM students take is MAC1105 – MAC1140 – MAC1114 – MAC2311. Therefore, an option which combines MAC1105 (algebra) with MAC1140 (pre-calculus algebra) will a) better prepare students for trigonometry and calculus by exposing them to more hours of algebra, b) accelerate their pathway to calculus by removing one course from the path, and c) remove one credit from the credit load. Not open to students who have taken MAC1105, MAC1140 or MAC1147.

Motion 2:	Approve proposed new fee of \$10.00.
<b>Proposed Fee:</b>	\$10.00
Rationale/Justification:	This is a new course. A projected class size in a typical academic year would

be 40 students.

#### 7. School of Architecture

School of Themaceture			
Add New College Credit Certificate			
Program:	Building Construction Specialist		
Degree Type:	College Credit Certificate (C.C.C.)		
Program Code:	66025		
<b>Program Credits:</b>	18		
<b>Effective Term:</b>	Spring (2015-2)		
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West,		
	Centers, all off campus sites, at Honors level and through Distance Education.		
Administrator (s): Faculty:	Alicia Giovinazzo/John Adkins		
• Motion 1:	Miami Dade College's School of Architecture & Interior Design, is proposing to develop an 18 credit Florida Department of Education (FLDOE) existing C.C.C. in Building Construction Specialist.		
Motion 2:	Modification of course descriptions to the SLO format.		

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff.</u> <u>Term</u>
ARC1126	Architectural Drawing 1	4	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
<b>C D</b> '	(* TTI ' ' (1	· 1 · · · 1 1 · · ·	C 1 ' 1 1 ' 1	1 , ,.

**Course Description:** This course exercises the visualization and drafting of architectural objects and construction conditions. Students will learn to draw orthographic projections, isometric and sectional drawings as an expression of architectural communication. Topics include drawing of plans, elevations, details, schedules, and sections of wood frame and masonry structures. (2 hr. lecture 4 hr. lab)

Curriculum Action Rationale: Update course description and competencies to SLO format. Current Fee: \$25.00

				<u>Eff.</u>
Course No.	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Term</u>
BCN1272	Construction Plans Interpretation 1	3	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
<b>Course Descripti</b>	ion: Develops the students' ability t	o interpret	working drawings. Students v	will learn the
conventions of graphic and symbolic language used by construction professionals to communicate information on				
drawings. Emphas	sis is on architectural and structural de	tails with lir	nited coverage on mechanical	and electrical
aspects. (3 hr. lect	ure)			

Curriculum Action Rationale: Update course description and competencies to SLO format. Current Fee: \$10.00

Course No.	Course Title	Credits	Campus	Term
BCN1275	Construction Plans Interpretation 2	3	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
<b>Course Description:</b> Plan interpretation of complex working drawings for multi-story residential and commercial				
buildings. Students will learn to read and understand construction working drawings, identifying structural systems				

Eff.

buildings. Students will learn to read and understand construction working drawings, identifying structural systems and their details. Familiarity with all aspects of complex working drawings will be addressed. Prerequisite: BCN1272. (3 hr. lecture)

Curriculum Action Rationale: Update course description and competencies to SLO format. Current Fee: \$10.00

				EII.
Course No.	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Term</u>
BCT1770	Building Construction Estimating Fundamentals	s 3	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
<b>Course Descrip</b>	tion: An analysis and calculation of	f building con	struction costs. Students w	vill learn the
classification of n	naterials, labor, and subcontracted work	into the smalles	st manageable units. Student	s will develop
a simple estimate	for a residential structure. Laboratory f	ee. Prerequisite	e: BCN1272. (3 hr. lecture)	-
<b>Curriculum Act</b>	ion Rationale: Update course descripti	on and compet	encies to SLO format.	
Current Fee: \$1	10.00	-		
				<u>Eff.</u>
<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Term</u>
BCT1771	Building Construction Advanced Estimating	3	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
<b>Course Descript</b>	ion: Estimating more advanced element	s of building co	onstruction. Students will lear	rn to calculate
direct, indirect, a	and overhead costs, as well as prepare	e bid proposals	s and related documents fo	r commercial
buildings. Labora	tory fee. Prerequisite: BCN1275, BC	Γ1770. (3 hr. l	lecture).	
<b>Curriculum Act</b>	ion Rationale: Update course descripti	on and compet	encies to SLO format.	
Current Fee: \$1	0.00	_		
				<u>Eff.</u>
<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Term</u>
ARC1949	Co-Op Work Experience 1	1-3 Var.	1, 2, 3, 5, 6, 7/Ctrs.	2015-2

**Course Description:** This course is designed to provide training in the students' field of study through work experience. Students will learn to make connections between their internship experiences, academic coursework, and career goals. Students are graded on the basis of documentation of learning and goal achievement as reported by both student and employer. Prerequisite: Departmental Permission.

Curriculum Action Rationale: Update course description and competencies to SLO format. Current Fee: \$25.00



#### Building Construction Specialist College Credit Certificate

C.I.P. (0615100103)

Eff

#### Total credits required for the degree is 18.00

The Building Construction Specialist college credit certificate prepares students for entry in the construction field through acquisition of a basic understanding of drawings and construction estimating through curriculum and practical experiences. Following successful completion, students can obtain employment assisting in construction offices or job sites.

Course	Course Title	Credits	Pre-/Co-Requisites
Program Requirement	ts – <mark>18</mark> Credits Required		
ARC 1126C	Architectural Drawing 1	4	
BCN 1272	Building Construction Plans Interpretation 1	3	
BCN 1275	Building Construction Plans Interpretation 2	3	Pre-Req: BCN 1272
BCT 1770	Building Construction Estimating Fundamentals	3	Pre-Reg: BCN 1272
BCT 1771	Building Construction Advanced Estimating	3	Pre-Reg: BCN 1275, BCT 1770
ARC 1949	Co-Op Work Experience	2	Departmental Permission

#### 8. School of Engineering and Technology

•	<b>Existing Course Modification</b>	I
	Effective Term:	Spring (2015-2)
	Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
	Administrator (s): Faculty:	Nate Chapman/Diane King
•	Motion 1:	The School of Engineering & Technologies is requesting to change course title and update course description to reflect course content.

Course No.<br/>CGS1060CCourse Title<br/>Introduction to Microcomputer Usage (Current)Credits<br/>4Campus<br/>1, 2, 3, 5, 6, 7/Ctrs.Eff.<br/>Term<br/>2015-2Introduction to Computer Technology & Applications (New)1, 2, 3, 5, 6, 7/Ctrs.2015-2

**Course Description:** This course provides the skills required for personal, academic and professional success. Students will learn essential computer concepts, skills and how to utilize popular applications. The course satisfies the College's computer competency requirement. (3 hr. lecture 2 hr. lab)

**Curriculum Action Rationale:** 1. Change course title to reflect course content. 2. Update course description to reflect course content. 3. Update course competencies to reflect current technologies.

Motion 2: The School of Engineering & Technologies is requesting to: 1. Remove pre-requisite CGS1060C from CGS1540C, and 2. Update course description.

				<u>L/11.</u>
<u>Course No.</u>	<u>Course Title</u>	<b>Credits</b>	<u>Campus</u>	<u>Term</u>
CGS1540C	Database Concepts Design	4	1, 2, 3, 5, 6, 7/Ctrs.	2015-2
<b>Course Descript</b>	ion: This course is designed for	computer science	e majors and non-majors v	who require a
fundamental knowledge of databases and database management systems. Students will learn how to design,				
implement and use	e databases to maintain and manipu	late data. Students	should have knowledge of b	asic computer

Eff.

concepts or seek faculty advisement. (3 hr. lecture 2 hr. lab)

**Curriculum Action Rationale:** 1. Remove pre-requisite CGS1060C from CGS1540C. Rationale: Discipline faculty concur that students can be successful in CGS1540C without a mandated prerequisite of CGS1060C. Eliminating the prerequisite will facilitate accelerated completion of a new college credit certificate in Business Intelligence (to be proposed in Fall 2015) which will require CGS1540C and enable students to complete the certificate in 2 semesters. Faculty vote held at discipline meeting was in favor of removing the prerequisite. 2. Course Description: add verbiage "Students should have knowledge of basic computer concepts or seek faculty advisement".

•	Add New Course Effective Term: Affected Campus (es):	Fall (2015-1) North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
•	Motion 3:	The School of Engineering & Technologies is requesting to create a new
		course in partnership with Amazon Web Services as part of its academic beta initiative to meet the workforce demand for network administrators
		skilled in cloud computing architecture.

• Motion 4:	Approve proposed new fee of \$63.00.
Proposed Fee:	<b>\$63.00</b>
Rationale/Justification:	The enrollment projection is based on the average enrollment of students in similar courses across the School considering the college-wide trends $-24$

students.

<u>Course No.</u>	<u>Course Title</u>	<b>Credits</b>	<u>Campus</u>	Term
CTS2375C	Cloud Infrastructure and Services	4	1, 2, 3, 5, 6, 7/Ctrs.	2015-1
<b>Course Descrip</b>	tion: This course helps students devel	lop technical	expertise in cloud computi	ng and prepares
them for the AW	them for the AWS (Amazon Web Services) Solutions Architect - Associate certification exam. Students will learn			
the essentials of	f cloud computing, business security a	and complian	ce considerations, migratin	ng to the cloud,
architecting a clo	oud server, and how to troubleshoot clou	d services. (3	3 hr. lecture 2 hr. lab)	

**Curriculum Action Rationale:** The School of Engineering & Technologies is requesting to create a new course created in partnership with Amazon Web Services as part of its academic beta initiative to meet the workforce demand for network administrators skilled in cloud computing architecture.

#### Proposed Fee: \$63.00

**Rationale/Justification:** The enrollment projection is based on the average enrollment of students in similar courses across the School considering the college-wide trends - 24 students.

#### 9. School of Business

	, • (P)			
• Add New College Credit C				
Program:	Business Entrepreneurship – Social Entrepreneurship			
Degree Type:	College Credit Certificate (C.C.C.)			
Program Code:	65097			
<b>Program Credits:</b>	12			
Effective Term:	Spring (2015-2)			
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West,			
<b>-</b> • •	Centers, all off campus sites, at Honors level and through Distance Education.			
Administrator (s): Faculty:	Thania Rios/Cynthia Conteh/Sarah Tuskey			
• Motion:	The School of Business is requesting to modify the existing state-approved			
	College Credit Certificate in Business Entrepreneurship, to add an additional group offering in Social Entrepreneurship utilizing existing courses.			
Rusiness Entrangeneurshin	Social Entropyonourship 65007			

# Business Entrepreneurship – Social Entrepreneurship College Credit Certificate

#### 65097 C.I.P. (0552070308)

Eff.

# Total credits required for the degree is 12

# MAJOR CORE REQUIREMENTS (12.00 credits)

SBM 1000	Small Business Management	3	
GEB 2112	Introduction to Entrepreneurship	3	
ENT 2502	Starting and Growing a Social Venture	3	Pre-Reg GEB 2112
ENT 2612	Creativity, Innovation, and Human Centered Design	3	