COLLEGE-WIDE ACADEMIC AND STUDENT SUPPORT COUNCIL
TUESDAY, FEBRUARY 10, 2004
WOLFSON CAMPUS –ROOM 2106 – 1:30 P.M.
MINUTES

CHAIR: Ian Cobham

MEMBERS PRESENT:

Maria Alvarez	Toni Bilbao
Oscar DeArmas	Shirly Ferguson
Maria Jofre	Armando Ferrer
Karen Hays	Harry Hoffman
Malou Harrison	Susan Kah
Michael Kaldor	Ece Karayalcin
Deborah Keeler	Peter Kuentzel
Larry LaClair (Substitute)	Magadalena Lamarre
Patricia Lassiter	Sean Madison
Connie Miller	Neil Olsen
Lourdes Oroza	Nelson Pena
Lourdes Perez	Melinda Prague
Madeline Pumariega	Penny Roache
Nidia Romer	Herbert Robinson
Nelson Santiago	Emily Sendin
Lucy Spence	James Sullivan
Annette Torna	

MEMBERS ABSENT:

Joshua Arjona	
Jennifer Jean Baptiste	
Gail Hawks	
Jocelyne Legrand	
Kaiyang Liang	(Sent Notification)
Clyde Pfleegor	(Substitute Larry LaClair)
Leslie Roberts	

PRESENTER:

Joanne Bashford	(Postponed to March 9th CASSC Meeting)
Jeffrey Lukenbill	
Graham Smart	
Kelly Denit	

RESOURCE:

Julian Chiu
Joan Gosnell
Cathy Morris
MaryAnn Miller
Luisane Leon

RECORDER: Carol McAlister

1. **Call to Order**
   Ian Cobham called the meeting to order.

2. **Introduction**
   Ian Cobham introduced Annette Torna who was appointed to serve as the upper division student representative on College-wide CASSC.

3. **Approval of Minutes**
   The minutes of the January 20, 2004 College-wide CASSC Meeting were approved as submitted.

4. **Dr. Lukenbill's Presentation**

   Budget

   Beginning the week of February 16th, groups will be sent to Tallahassee in an effort to make the legislators aware of what is important for students, and other College priorities. In March, representatives from various schools will go to Tallahassee to showcase MDC programs along with things done exceptionally well at MDC. This will enable the legislators to gain an understanding of several programs offered at the College. We are hopeful that the Governor's budget recommendations will be approved.

   Miami International Film Festival (January 30-February 8, 2004)

   The Miami International Film Festival was an exceptional event. Acknowledgement and thanks were given to those, including the many volunteers, who made this event a great success. The Miami International Film Festival reflected well on the College, and was a demonstration of the spirit at Miami Dade College.

   Service Learning

   Service Learning crosses all disciplines. The formal College initiative began ten years ago, and we now have more than 200 faculty who have integrated Service Learning into their curriculum. College-wide, more than 27,000 students have participated in Service Learning, and contributed over 585,000 hours of service. If dollar figures were put on those hours at minimum wage, it would be valued at more than 3 million dollars. More than 500 community agencies have been served by the Service Learning programs. Students learn in many different ways, and research shows that active learning is the best kind of learning. Involvement and commitment are also important for students. Josh Young was acknowledged for his leadership, along with the campus coordinator's, the faculty, and the staff who work in this area. The continued support of CASSC was reinforced concerning these kinds of programs that are not main-stream in terms of the disciplines, but provide wonderful student opportunities for enhanced learning.

   Closing

   Today is Dr. Lukenbill's last CASSC meeting, and he thanked everyone for their contributions while serving on College-wide CASSC. He offered encouragement to continue to make certain that CASSC ensures quality in what we do in assisting

students, service to students, and student learning. College-wide CASSC was formed in 1998. We can now see that it is productive as College-wide brings everyone to the table representing all areas college-wide. What goes on outside the classroom in terms of support, help and encouragement to the students is very important.

Dr. Lukenbill has been at the College since 1972. He explained that the College has been a wonderful place to work. What we do, we do for students and the community in terms of opportunity, and to help the young or old become successful and find new avenues to enhance their lives. This is beyond measure. Although we do not like to say we are the best, it is Dr. Lukenbill's opinion that we do it better then anybody! This is because of the commitment and dedication of the faculty, administrators, staff and students. He asked that as College-wide CASSC continues to review programs, and makes decisions and recommendations, it maintains the highest standards and keeps a broad view. Today, we at the College are working more effectively by working together as a college-wide institution. Students are the foundation of MDC.

Presentation by Ian Cobham

Dr. Jeffrey Lukenbill's career at MDC has been long and distinguished. Dr. Lukenbill has been involved with the CASSC since its inception in 1998. As Chair of CASSC, Ian Cobham said that he has observed that Dr. Lukenbill is a remarkable and tireless individual who is committed to serving the College. Also, Ian Cobham is a member of the screening committee for Dr. Lukenbill's replacement, and commented that it will be extremely difficult to find someone who has the knowledge, experience and expertise of Dr. Lukenbill. Ian does not believe it will be possible to find another "Jeffrey Lukenbill." He does believe that the College will find someone who will attempt to do his job, and that person will have big shoes to fill! The College-wide CASSC is appreciative of the work Dr. Lukenbill has done, and his contributions to CASSC and the College have been invaluable. We hope retirement will be as rewarding as your work has been at Miami Dade College. A retirement gift was presented to Dr. Lukenbill in hopes that it would be an everlasting reminder of the gratitude and affection that CASSC has for Dr. Lukenbill, along with thanks, wishes for good luck, and a very happy retirement.

Dr. Lukenbill thanked the group, and said the retirement gift would always give him fond memories of the "best place to work he could ever have had."

5. **Curriculum – Environmental Science Technology**

Graham Smart and Kelly Denit presented the Environmental Science Technology curriculum. The program started in 1992 at North Campus. Students have not enrolled in the program for the last three years. A grant was awarded from SFWMD as part of the Environmental Studies and Community Outreach program. The grant is being used to modify the curriculum to be more inline with how environmental science is proceeding and also provides funding for massive student recruitment efforts.

(A.) **CHANGE EXISTING PROGRAM**: **Environmental Science Technology (A.S. Degree Description):** Students pursuing this degree will be able to conduct various forms of environmental sampling and analysis for either the public or private sector. There are six focus options, which give students the opportunity to specialize in a particular area of environmental science. The options are: Hydrologic Studies, Assessment/Safety Compliance, Watershed Management, Environmental Science Technology, Hazardous Materials Technology and Conservation Ecology. Students receiving this degree will have a wide variety of skills that can be applied to the expanding environmental job market.

DELETE:	EVR 1015 Hazardous Materials and Environment	3 Credits
	EVR 1262 Intro. Ecol/Urban Pollt.	3 Credits
	EVR 1633 Haz. Mat. Emerg.	4 Credits
	EVR 1640 Haz. Mat. Reg. 1	3 Credits
	EVR 1802 Industrial Processes Pre-Req. CHM 2032 + lab	3 Credits
	EVR 1894 Environ. Pollutants	3 Credits
	EVR 2805 Haz. Mat. Health Effects	3 Credits

Current Program Credits: 61 **New Program Credits**: 64

General Education Requirements

ENC 1101	English Composition 1	3 Credits
SPC 1026	Speech Communication	3 Credits
PHI 2604	Critical Thinking & Ethics	3 Credits
PPE 1005	Psychology of Personal Effective.	3 Credits
MAC 1105	College Algebra	3 Credits
	OR	
PSC 1515	Energy in Nat. Environment	3 Credits
Total		15 Credits

Core Courses

CHM 1025	Intro. To Chemistry	3 Credits
	OR	
CHM 1045	General Chem. + Lab	5 Credits
CGS 1060	Intro to Microcomputers	4 Credits
ENC 1210	Technical Report Writing	3 Credits
EVR 1190	Environmental Sampling Proc.	3 Credits
ECO 2013	Principles of Economics	3 Credits
	OR	
GEB 1011	Intro. To Business	3 Credits
	OR	
MAN 2021	Principles of Management	3 Credits
GLY 1010	Earth Sciences	3 Credits
EVR ####	Intro to Environmental Studies	3 Credits
EVR ####	Solid Waste Management	3 Credits
EVR 1930	Seminar	1 Credit

(1) Option	**Hydrologics Studies (23 Credits)**	
EVR 1010	Environ. Compliance	3 Credits
EVR 1030	Soil & Ground Water Modeling	3 Credits
EVR 1895	Environ. Pollutants	3 Credits
EVR XXXX	Ground & Surface Hydrology	3 Credits
ETD 1200	Technical Drawing	3 Credits
	OR	
ARC 2171	Computer Aided Drawing	3 Credits
MAC 1114	Trigonometry	3 Credits
PHY 2053	Physics w/o Calcus + Lab	4 Credits
Electives		1 Credit

(2) Option	**Conservation Ecology (23 Credits)**	
PCB 2033	Intro to Ecology	3 Credits
CHM 1045L	General Chem. + Lab	5 Credits
	OR if already taken	
Electives		5 Credits
BOT 1010	Botany + Lab	4 Credits
ZOO 1010	Zoology + Lab	4 Credits
EVR 1010	Environ. Compliance	3 Credits
EVR 1015	Haz. Mat. & the Env.	3 Credits
	OR	
EVR 1262	Intro to Ecol. & Urban Pollutants	3 Credits
	OR	
BSC 2250	Nat. His. Of S. Florida	3 Credits
Electives		1 Credit

(3) Option	**Environmental Science Technology Option (23 Credits)**	
EVR 1010	Environ. Compliance	3 Credits
EVR 1262	Intro. to Ecol. & Urban Pollutants	3 Credits
EVR 2625	Infectious and Nuclear Mat.	3 Credits
EVR 2630	Haz. Mat. Risk Analysis	3 Credits
EVR 2680	Haz. Mat. Packing & Shipping	3 Credits
EVR 2805	Haz. Mat. Health Effects	3 Credits
Electives		5 Credits

(4) Option	**Assessment/Safety Compliance (23 Credits)**	
EVR ####	Environ. Site Assessment	3 Credits
EVR 2820	Haz. Mat. Corp. Proc.	3 Credits
EVR 1633	Haz. Mat. Emer. Resp.	3 Credits
EVR 1640	Haz. Mat. Regulations 1	3 Credits
EVR 1802	Industrial Processes	3 Credits

	OR	
EVR 2625	Infect. & Nucl. Mat.	3 Credits
EVR 1895	Environ. Pollutants	3 Credits
	OR	
EVR 1262	Intro. to Ecol. & Urban Pollutants	3 Credits
EVR 1010	Environ. Compliance	3 Credits
Elective		2 Credits

(5) Watershed Management Option (23 Credits)

EVR 1010	Environ. Compliance	3 Credits
EVR 1030	Soil & Ground Water Modeling	3 Credits
EVR 1262	Intro. to Ecol & Urban Pollutants	3 Credits
	OR	
BSC 2250	Nat. His. Of S. Florida	3 Credits
EVR XXXX	Ground & Surface Hydrology	3 Credits
PCB 2033	Intro. to Ecology	3 Credits
EVR XXXX	Environ. Site Assessment	3 Credits
Elective		5 Credits

(6) HazMat Technology Option (23 Credits)

CHM 2205	Survey/Organic Biochem. + Lab	5 Credits
EVR 1010	Environ. Compliance	3 Credits
EVR 1633	HazMat Emer. Resp. 1	3 Credits
EVR 2613	HazMat Emer. Resp. 2	3 Credits
EVR 2630	HazMat Emer. Analysis	3 Credits
EVR 2840	Haz Mat. Emer. Resp. 3	3 Credits
Elective		3 Credits

(B.) **CHANGE EXISTING PROGRAM**: **Environmental Studies (A.A. Degree)**
Add to the Elective Options

EVR 1030	Soil & Ground Water Modeling	3 Credits
EVR XXXX	Ground & Surface Hydrology	3 Credits
EVR XXXX	Intro to Environmental Studies	3 Credits
EVR 1262	Intro. to Ecology & Urban Pollutants	3 Credits

(C.) **NEW COURSES**:

EVR 1XXX Introduction to Environmental Studies 3 Credits

Course Description: This course will introduce the fundamentals of ecology, biology, chemistry, geology and atmospheric sciences as it relates to the environment. The scientific, social, political and economic aspects of environmental sciences will also be explored including environmental ethics and environmental law. Through oral and written assignments and hands-on investigations, students will learn about the different processes controlling ecosystems, especially those of South Florida.

Special Fee: $15.00

EVR 2XXX Ground and Surface Hydrology 3 Credits

Course Description: This course will introduce the fundamentals of groundwater hydrology. Specific topics to be covered include: the hydrologic cycle, Darcy's law, aquifer parameters, steady and transient flow equations, well hydraulics, elementary multi-phase flow, groundwater recharge, watershed hydrology, geological controls on groundwater flow, water and energy balance, global climate and the energy budget on Earth, precipitation mechanisms, infiltration and the vadose zone, evapotranspiration, catchment hydrology, ground water chemistry and pollution and others. The importance of the water cycle in Florida's ecosystem will be emphasized as well as the historical changes that have occurred to the flow of water in South Florida, specifically in the Everglades. Experiments demonstrating the principles learned will also be conducted.

Prerequisite/Corequisite: EVR 1###, Intro. to Environmental Studies; MAC 1147 pre Calc. Algebra + Trigonometry or acceptable score on the Algebra Placement Test or equivalent; PHY 1025, Basic Physics.

Special Fee: $15.00

EVR 2XXX Environmental Internship 3-6 Credits

Course Description: This course provides an exciting opportunity for environmental science students. Through a community internship, students gain professional experience and first-hand knowledge in various environmental careers. This course pairs students with community professionals who involve them in important projects and research. Mentors are assigned and monitor, in cooperation with the MDC-Environmental Science Program, the progress and performance of each student. The students will be placed on a semester basis with several different environmental agencies both public and private.

Prerequisite/Corequisite: EVR 1XXX, Intro. to Environmental Studies; EVR 1262, Intro to Ecology and Urban Pollutants.

Special Fee: $15.00

EVR 2XXX Environmental Site Assessment 3 Credits

Course Description: This course will introduce the fundamentals of environmental site assessment, ecological monitoring and ecological risk assessment. The role of various analytical and managerial tools and the assessment, interpretation and management of environmental performance will be studied. Also, the positive and negative impacts organizations have on environmental systems (e.g. resource depletion) will be studied. Finally, the students will attain improved scientific understanding of the ecosystem integrity and dynamics.

Prerequisite/Corequisite: EVR 1XXX, Intro to Environmental Studies: EVR 1262, Intro. to Ecology and Urban Pollutants.

Special Fee: $15.00

EVR 1XXX Introduction to Solid Waste Management 3 Credits

Course Description: This course will introduce students to the basic principles of solid waste management. Composition, sources and quantity of solid wastes as well as the methods of disposal will be discussed. Landfills and their potential impact on the

environment along with the measures taken to ensure minimal environmental impact will also be analyzed. The legal aspects of solid waste pollution are also discussed.
Special Fee: $15.00

Michael Kaldor addressed the transferability of the Environmental Studies Associate in Arts degree. It has elective course options (24 credits), and General Education requirements (36 credits), but the degree does not have specific courses required. For instance, specific courses are required for an A.A. in Biology. Kelly Denit explained that the F.A.M.U. articulation agreement is almost completed, and that they are working with F.I.U. and F.A.U. on an agreement. The University of Miami and Florida Memorial College have also expressed interest in the Environmental Studies Associate in Arts program.

Deborah Keeler asked if MDC faculty are qualified to teach these courses, or will there be a need to hire additional faculty. Graham Smart explained that some Biology, Chemistry, and Geology faculty are qualified to teach courses in the Environment Studies program. Eventually, additional adjuncts will need to be hired.

Michael Kaldor asked if the science faculty were involved in the development of the course competencies. Graham Smart said that at this point, yes, and they have been involved for the past l l/2 months. Ensuing discussion established that the science faculty involved in the course competency development were a few biology faculty. No faculty in the physical sciences were involved in the course competency development.

Oscar DeArmas was concerned about the fit of ARC 2171, Computer Aided Drawing 1, in the Environmental Studies A.A. degree elective options. After discussion, Kelly Denit explained that the course was part of the existing A.A. in the 24 credit elective block.

Magdalena Lamarre was concerned about the Behavioral/Social Science requirements. She explained that this is a program to address global concerns and has two Behavior courses and no Social Science course to address global concerns.

Karen Hays commented that the process took a little longer at the Kendall Campus CASSC because discussion was tabled in order for Graham Smart and the Biology faculty to meet to review and revise the competencies and address other concerns. In the dialogue, all of the questions raised by the Biology faculty were answered and modifications were made to the program. The Environmental Science curriculum was presented for a second time at Kendall Campus CASSC and recommended for approval. The faculty in Biology will work with Graham Smart and his staff to continue the development of the competencies. Also, Karen Hays commented that in the future, all course revisions will proceed in this manner.

The packet of Environmental Studies curriculum distributed for review to the College-wide CASSC members had the original course competencies. Michael Kaldor

explained that without the final recommendations, and final competencies for review by College-wide CASSC, it would be impossible to make a decision. College-wide CASSC is the final recommending body. CASSC should review the final curriculum, not what is an eventuality.

Nidia Romer was concerned as to when the course development had begun. Graham Smart explained that all the courses, except the five new courses, have been in existence since 1992. The development of the five new courses was started approximately eight months ago. Nidia Romer explained that the faculty at Kendall Campus and Wolfson Campus were informed about the Environmental Science curriculum item one week before the last semester ended. The questions about the course competencies arose at the campus CASSC meetings. Also, this unprecedented way of approving programs or courses before they have been reviewed and accepted by the corresponding faculty should not happen again. The process is a matter of concern. All courses and programs, no matter who develops them, faculty or administrators, should follow the same guidelines and be reviewed by the faculty of the corresponding discipline before the course is presented for approval at the campus CASSC's, and especially to the College-wide CASSC. It is not a good precedent to approve curriculum with the promise of getting together with faculty later for revisions. At College-wide CASSC, all competencies should be presented in the final revised format. Upon completion of Nidia Romer's comments, Chris Migliaccio announced that a follow-up is in progress and several faculty are scheduled to meet with the Environmental Science group on Friday, February 20th to work on the competencies.

Dr. Lukenbill commented that the concerns expressed are valid, and that there should always be open and full discussion of all issues related to adopting programs or curriculum. The competencies should be fully developed and can always continue to improve. In terms of process, we should not confuse the process with the product. It is possible in developing a course or a program, we could use curriculum developed elsewhere, bring it to the College, and revise it to meet our needs. We obviously want faculty involved in courses from their disciplines. We have two individuals, Graham Smart and Kelly Denit, trying to restart a program. We are attempting to adopt something that will meet the needs of the community and students. As we work with programs, we need to emphasize the involvement of people, how we want to do this, and when we want to do this. This is something we as a group should develop with principles and guidelines to be shared with the Deans and Chairs as programs are developed. The concerns of involvement are important and not to be dismissed.

Ian Cobham proposed that the Environmental Science group and Science faculty meet and come back to College-wide CASSC.

Michael Kaldor proposed that the Environmental Science curriculum be tabled contingent upon the Campus CASSC's fully approving the final set of competencies.

After much discussion, it was proposed that the Environmental Science curriculum be tabled. **TABLED**

32 In Favor
1 Opposed

The Environmental Science curriculum was previously presented at all campus CASSC's, and will need to be presented again at College-wide CASSC.

Dr. Lukenbill commented that Graham Smart and Kelly Denit came to College-wide CASSC in good faith to do something for the community and students. The Council addressed valid concerns. Suggestions and ideas concerning the program should be communicated in order to prepare a response. We should send a positive message in an effort to help, support, and assist Graham Smart and Kelly Denit in completing their product.

(Dr. Lukenbill, the Deans and Joanne Bashford left the meeting to attend a 3:00 p.m. signing agreement with MIT.)

There was further discussion by the remaining members concerning the curriculum presented at College-wide CASSC for review. It was their opinion that curriculum be presented for review at College-wide CASSC in final draft format.

Shirly Ferguson explained that the minutes of each campus CASSC should reflect what took place with regards to Environmental Science. She recommended that these minutes be examined, and a cover memo be directed to Graham Smart and Kelly Denit outlining the conditions to be satisfied before coming back to College-wide CASSC in March or April.

Shirly Ferguson suggested consultants within the departments and divisions, as these are the individuals who have the expertise and knowledge concerning the make-up of the competencies. This will ensure accurate documents when presented at College-wide CASSC and will ensure SACS accountability.

Nidia Romer recommend that in the future for anyone who would like to develop or present a program, and courses within a program that are different from what is currently in the books, that there be procedures to follow. One of the procedures should be that if those courses include Biology, English, etc., they go to the Biology, English, etc., discipline of all the campuses regardless of who is developing the program. Faculty and administrators need to follow the same guidelines. Ian Cobham said this is a good recommendation and suggested guidelines be developed.

The meeting was adjourned at 3:30 p.m.

CASSC INFORMATION & CURRICULUM FORMS

This information is on the web.
GO to the MDC Home Page.

1. Click directly on "EMPLOYEES" link
2. "EMPLOYEES" window will open.
   Look at the left column and click on 'DEPARTMENTS & ORGANIZATIONS'
3. Choose and click directly on the "CASSC" link.
   All CASSC information including the Curriculum Forms and CASSC Feedback Form can be found here.

COLLEGE-WIDE CASSC SCHEDULE

February 10, 2004	**(General Education Proposal)**	**1:30 P.M. Room 2106**	**Wolfson**
March 9, 2004	**(General Education Vote)**	**1:30 P.M. Room 2106**	**Wolfson**
April 13, 2004		**1:30 P.M. Room 2106**	**Wolfson**
May 18, 2004		**1:30 P.M.** ***Room 3208-09***	***Wolfson***
June 8, 2004		**1:30 P.M. Room 2106**	**Wolfson**

July – NO MEETING
August – NO MEETING