

Miami Dade College
Associate Provost for Academic Affairs

July 14, 2010

MEMORANDUM

TO: Rolando Montoya

FROM: Pamela Menke 

SUBJECT: APPROVAL OF CURRICULUM REPORT #74

Attached for your approval is the approved curriculum presented at the July 13, 2010, CASSC meeting.

The information in Curriculum Report #74 includes the following item:

1. **Landscape & Horticulture Technology**
 - Revised Course Description and Credit Type Change –
HOS1010 Horticulture I
IPM2112 Principles of Entomology
2. **Earth Ethics Institute**
 - Add New Course –
IDS1150 – Earth Literacy and Sustainability
 - Delete Existing Course –
IDS1920 – Earth Literacy Colloquium

If I can be of further assistance, please do not hesitate to contact me.

Attachment

Miami Dade College
College-wide CASSC Meeting – JULY 13, 2010
CURRICULUM REPORT #74

1. Landscape & Horticulture Technology

April 29, 2009

Theresa Chormanski

Landscape & Horticulture Technology

Program Coordinator

tchorman@mdc.edu; 7-2367

Kendall Campus, Biology, Health & Wellness

Rational for request to change course type of HOS 1010, Horticulture and IPM 2112, Principles of Entomology

I am requesting that HOS 1010, Introductory Horticulture and IPM 2112, Principles of Entomology be changed from course type 02 to course type 01. This change would allow these classes to count as an elective credit for students seeking an AA degree as well as counting towards the AS degree in Landscape & Horticulture Technology.

The reasons for requesting the change are as follows:

1. Both classes allow students to *apply* scientific principles and incorporate critical thinking into learning. Classes are taught with a strong emphasis on hands-on activities and using information given in lecture, thus students are actively learning. Students often struggle with scientific application and these classes would help both major level and non-major level students improve critical thinking skills.
2. Horticulture I involves math application including fertilizer application rates, seed germination calculations, and success rates. As with critical thinking, math application is a necessary skill and benefits both AA and AS students.
3. Agriculture, Biology (non-medical track), Environmental Science, Forestry, and Landscape Architecture students will benefit from classes in growing and propagating local plants, identifying local insects and understanding the plant-insect relationship. Skills earned in these classes will give students in these subject areas an advantage in future classes in their area of study.
4. I believe that these classes will serve as gateway classes to increase enrollment in the Landscape & Horticulture Technology Program. This program has suffered from low enrollment for several years and being able to consistently offer basic-level classes will, I believe, increase interest in higher level degrees. In addition, faculty at North Campus has created two College Certificate programs and HOS 1010 and IPM 2112 are required for both certificate programs (Horticulture Specialist, 12 credits, and Horticulture Professional 18 credits). Students earning an AA degree in one of the above area could add on a College Certificate for an additional 6 credits. Having the College Certificate in horticulture in addition to the AA would make students more employable. North Campus has already submitted employment rational for the certificate programs.

Program Title: Horticulture and Landscape Specializations
Program Code: 21005/21006
Campus: 1, 2, 3,5,6,7
Effective Term: 2010-2

Revised Course Description

Credit Type Change

<u>Course No.</u>	<u>Course Title</u>	<u>From</u>	<u>To</u>
HOS1010	Horticulture I	02	01

Course Description: This is an introductory course on the principles of horticulture. Students will learn plant structure and function, plant propagation, plant nutrients and fertilizers, potting media, soils, pruning, and plant pests. A survey of various occupations in ornamental horticulture will also be covered. (3 hr. lecture)

<u>Course No.</u>	<u>Course Title</u>	<u>From</u>	<u>To</u>
IPM2112	Principles of Entomology	02	01

Course Description: This is an introductory course on the principles of entomology. Students will learn to identify characteristics of arthropods, the insect orders, and the growth cycle of insects. Students will also address insect pest specific to South Florida and methods to responsibly manage plant pests. 3 hour lecture course.

APPROVE  OPPOSE _____ MORE INFORMATION _____

Courses that are not used for General Education Requirements may be used for electives (refer to list below). Students are encouraged to check with their advisor or go to www.FACTS.org for transfer information.

ACG 2001, 2001L, 2011, 2011L, 2021, 2021L, 2031, 2071, 2071L, 2100, 2110, 2170, 2360, 2450, 2630, AFH, AMH, AML, ANT, ARC, ARH, ART, ASL 1140C, 1150C, 2160C, 2200C, AST, BOT, BSC, BUL 2130, 2241, 2242, CCJ (except 1949, 2940, 2949, 2995), CGS 1021, 1060, 1145, 2092, 2405, 2423, CHI, CHM, CJC 1000, 1162, CJD (except 1940), CJL 2062, CJT (except 2990), CLP, COP 1170, 2004, 1220, 2171, 2800, 2805, CPO, CRW, CTE 1401, DAA, DAN, DEP, ECO, EDF (except 1949, 2949), EDG (except 2943), EEC, EEL, EEX, EGN 2033, EGS 1001C, 1111C, 2311, EME, ENC (except 0002, 0020, 0021, 1112, 1113), ENG, ENL, EUH, FIL 1055, 1100, 1360, 1420C, 1431C, 2130, 2515C, 2552C, 2553C, 2560C, 2572C, 2611, FIN 2100, FRE, FRW, GEA, GEB 1011, 2112, 2350, GEO, GER, GLY, GRA 1111C, 2117C, 2190C, 2191C, HAI, HBR, HFT 1000, 1210, 1220, 1300, 1454, 2223, 2410, 2421, 2500, 2501, 2750, 2800, HLP 1080, 1081, 1083, 1087, **HOS 1010**, HSC 1400, 1121, 2100, 2400, HUM, HUN, HUS, IND 1020, 1100, 1130, 1200, 2210, 2220, INP, INR, **IPM 2112**, ISC, ISS 1120, 1161, 2270, ITA, JOU (all courses transferable except for majors), JPN, JST, LAH, LIN, LIS, LIT, MAC, MAD, MAN 2021, MAP, MAR 1011, 1720, MAS, MCB, MET, MGF, MMC, MTG, MUC, MUE, MUH, MUL, MUM 2704, MUN, MUO, MUS, MUT, MVB, MVJ, MVK, MVO, MVP, MVS, MVV, MVW, OCB, OCE, OST 2335, PAD, PCB, PCO, PEP, PET (except 1949, 2303, 2303L, 2622C, 2940, 2949), PGY 2110C, 2111C, 2112C, 2401C, 2410C, 2470C, 2475, PHI, PHM, PHY, PLA 2003, 2104, 2114, 2203, 2223, 2273, 2303, 2600, 2763, 2800, POR, POS, POT, PSB, PSC, PSY, PUR, QMB, REL, RTV 1100, RUS, SLS 1125, 1401, 1505, 1510 SOP, SOW, SPA, SPC, SPN, SPW, SUR 1001C, STA, SYG, THE, TPA, TPP, VIC, WOH, ZOO

Effective Date – Fall 2008

Approved by Academic Deans – 12/07/06

**Associate in Science Degree
Landscape and Horticulture Technology
Horticulture Specialization
Total credits required for the degree is 64.
(CIP = 1101060500)**

The Associate in Science Degree in **Landscape and Horticulture Technology** will prepare students for employment in horticulture and landscape industries as first-line supervisors/managers of landscaping, nursery, and groundskeeping employees, nursery production managers, landscape designers, or special effects landscapers. Core requirements satisfy both landscape and horticulture specializations; students select electives in their desired concentration.

Students will learn concepts of plant physiology and growth, plant classification, plant care and production, pest control, and pruning and shaping plants. Program content also includes: irrigation design and maintenance, equipment management, business management, and human relation skills. Completion of the program will prepare students for certification and licensure as a horticulture professional, landscape technician, or landscape designer.

GENERAL EDUCATION REQUIREMENTS (15 credits hours)				
Course	Course Title	Credits	Pre-requisites	Co-requisites
ENC1101	English Composition I	3		
SPC1026	Fundamentals of Speech Comm.	3		
PHI2604	Critical Thinking & Ethics	3	ENC-1101	
CLP1006	Psychology of Personal Effectiveness	3		
BSC1050	Biology and Environment	3		
MAJOR CORE COURSES (43 credits hours)				
Course	Course Title	Credits	Pre-requisites	Co-requisites
HOS1010	Horticulture I	3		
HOS1011	Horticulture II	3	HOS-1010	
IPM2112	Principles of Entomology	3		
IPM 2301	Pesticide Applications	3		
IPM 2635	Introduction to Plant Pathology	3		
LDE2000	Planting Design	4		
LDE2310	Irrigation Design & Maintenance	3		
ORH1251	Nursery Practices I	3	HOS-1010	
ORH1510	Landscape Plant Identification I	3		
ORH1511	Landscape Plant Identification II	3	ORH1510	
ORH2949	Landscape Technology Internship	3	12 credits in Horticulture or Permission of Faculty or Chairperson.	
ORH1840C	Landscape Construction	2		
ORH2230	Exterior Plant Use & Maintenance	3		
ORH2932	Special Topics in Landscaping	1		
SBM1000	Small Business Management	3		
Electives (6 credit hours)				
Course	Course Title	Credits	Pre-requisites	Co-requisites
BOT2150C	Native Plant Usage & ID	3		
BOT2157C	Native Plant Community Installation and Management	3		
CHM1025	Intro to Chemistry	3		
MET1010	Introduction to Weather	3		
ESC1000	General Education Earth Science	3		
ORH2220	Turf Management	3		
ORH2277	Foliage Plant Production	3		
ORH2873	Interior Landscaping	3		
PCB2033	Introduction to Ecology	3		
PCB2340C	Field Biology	3		

**Associate in Science Degree
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HOS1010	Horticulture I	3		
HOS1011	Horticulture II	3	HOS-1010	
IPM2112	Principles of Entomology	3		
IPM 2301	Pesticide Applications	3		
IPM 2635	Introduction to Plant Pathology	3		
LDE2000	Planting Design	4		
LDE2310	Irrigation Design & Maintenance	3		
ORH1251	Nursery Practices I	3	HOS-1010	
ORH1510	Landscape Plant Identification I	3		
ORH1511	Landscape Plant Identification II	3	ORH1510	
ORH2949	Landscape Technology Internship	3	12 credits in Horticulture or Permission of Faculty or Chairperson.	
ORH1840C	Landscape Construction	2		
ORH2835C	Computer-Aided Landscape Design I	2	LDE-2000	
ORH2837C	Computer-Aided Landscape Design II	2	ORH-2835C	
SBM1000	Small Business Management	3		
Electives (6 credit hours)				
Course	Course Title	Credits	Pre-requisites	Co-requisites
BOT2150C	Native Plant Usage & ID	3		
BOT2157C	Native Plant Community Installation and Management	3		
CHM1025	Intro to Chemistry	3		
MET1010	Introduction to Weather	3		
ESC1000	General Education Earth Science	3		
ORH2220	Turf Management	3		
ORH2277	Foliage Plant Production	3		
ORH2873	Interior Landscaping	3		
PCB2033	Introduction to Ecology	3		
PCB2340C	Field Biology	3		



Course Prefix Number, Title and Description Change Proposal:

IDS 1920 Earth Literacy Colloquium to IDS 1150 – Earth Literacy and Sustainability 1

Earth Ethics Institute Council Faculty Discipline Committee

Juan Abascal (Social Science, Kendall); Dominic Brucato (Social Science, Kendall); DiBenedetto-Colton, Joyce (Environmental Studies and Health Promotion and Disease Prevention, Earth Ethics Institute, Program Coordinator); Miriam Abety (Social Sciences, InterAmerican); Rubén Abruña (School of Entertainment and Design Technology, North); Michael Hettich (English and Communications, Wolfson); Steve Kronen (Library, West); Eric Lichtman (English and Communications, Kendall); Marcia Lopes de Mello (School of Architecture and Interior Design); Chris Migliaccio (Natural Sciences, Wolfson); Carol Petrozella (School of Nursing, Medical); Glenda Phipps (Library, Hialeah); Ileana Porges-West (ESL, Hialeah); Anouchka Rachelson (ESL, Kendall); Elizabeth Ramsay (ESL, Wolfson); Rebecca Sanchez (School of Education, Wolfson); Diane Sloan, (English and Communications, North); Bradford Stocker (ESL, Kendall) Diego Tibaquirá (IT, InterAmerican); Marisol Varela (College Prep, InterAmerican); Maria Zabala (School of Architecture and Interior Design, North); Colleen Ahern-Hettich, Earth Ethics Institute, Director

Rational for updating and changing the title of the IDS 1920 Earth Literacy Colloquium to IDS 1150- Earth Literacy and Sustainability I

In 2005, the IDS 1920 Earth Literacy Colloquium was approved by the College Academic and Student Support Council. After careful review, the Earth Ethics Institute (EEI) Council feels that the course better serves our students if it is transferable and is a part of the 24 Hour Elective Block. As a result, EEI proposes to change the course prefix number from IDS 1920 Earth Literacy Colloquium to IDS 1150 Earth Literacy and Sustainability I, which is transferable.

This course is an interdisciplinary exploration of the principles of Earth Literacy and environmental sustainability from multiple perspectives through an understanding of the interdependent role that science, education, culture and cosmology play in the formation of human attitudes towards the natural world. As a result, this course will support all Learning Outcomes listed below with a special focus on Learning Outcome #10.

- #1- Communicate effectively using listening, speaking, reading, and writing skills.
- #3- Solve problems using critical and creative thinking and scientific reasoning.
- #5 -Demonstrate knowledge of diverse cultures, including global and historical perspectives.
- #6- Create strategies that can be used to fulfill personal, civic, and social responsibilities.
- #7 -Demonstrate knowledge of ethical thinking and its application to issues in society.
- #10-Describe how natural systems function and recognize the impact of humans on the environment.

Add New Course**Recommended Course User Fee: \$25**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
IDS1150	Earth Literacy and Sustainability I	3	1,2,3,5,6,7,8	2010-2

Course Description: This interdisciplinary course is designed to help students explore Earth Literacy and environmental sustainability. Students will learn principles of Earth Literacy and ecological sustainability, identify current issues in Earth ethics, and demonstrate an understanding of individual responsibility in contributing to a sustainable world through lectures, presentations, projects, guest presenters, and field experiences. (3 hr. lecture)

Delete Existing Course

IDS1920 Earth Literacy Colloquium

APPROVE  OPPOSE _____ MORE INFORMATION _____

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Effective Date – Fall 2008

Approved by Academic Deans – 12/07/06