

IRAO OFFICE USE ONLY	
Received	<b>RECEIVED</b> By Princess Soares at 1:44 pm, Mar 22, 2016
In Banner	
MTVCOMP/Codeset	
Master Curriculum	
CIP Code	
Program Code	
Program Description	

**Reset Form**

**University of Hawai'i**  
Code Request Form for Academic Programs for

# NEW OR MODIFY PROGRAM CODE

**New Program Code**       **Modify Program Code**

Date: 03/22/16

**REQUESTOR CONTACT INFORMATION**

Name	<u>Terri Ota</u>	Campus	<u>UH West Oahu</u>
Title	<u>Academic Program/Faculty Affairs Specialist</u>	Email	<u>tota@hawaii.edu</u>
Office/Dept	<u>UHWO Academic Affairs</u>	Phone	<u>689-2314</u>

**NEW PROGRAM CODE TO CREATE**

Institution	<u>WOA - UH West Oahu</u>	Campus	<u>WOA - UH West Oahu</u>
Level	<u>UG - Undergraduate</u>	Effective Term	<u>Fall 2015</u>

	Code <small>(Max. Characters)</small>	Description	Check if requesting new code:
College	(2) <u>PS</u>	<u>Professional Studies</u>	<input type="checkbox"/> See Banner form STVCOLL
Department	(4) <u>PROS</u>	<u>Professional Studies</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>BAS</u>	<u>Bachelor of Applied Sciences</u>	<input type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>APSC</u>	<u>Applied Sciences</u>	<input type="checkbox"/> See Banner form STVMAJR
Concentration	(4) <u>SCFS</u>	<u>Sustainable Community Food Sys</u>	<input type="checkbox"/> See Banner form STVMAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: \_\_\_\_\_

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

The BAS in Applied Sciences has added a new concentration in Sustainable Community Food Systems. This code is not being used by other UH campuses.

Is this major/concentration code being used the same way at the other UH campuses?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Should this program be available for applicants to select as their planned course of study on the online application? <i>If yes, student may select the code as their only program of study.</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

**RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION**

Is 50% or greater of the classes in this program offered at a location other than the Home Campus?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is this program/major/certificate financial aid eligible?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

See <http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html>

**Program Length**

*In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.*

Special Program Designations       A     B     N     P     T     U

See *Special Program Designations Code Definitions on IRAO Program Code Request webpage*

Required Terms of Enrollment:     Fall       Spring       Summer       Extended

ADDITIONAL COMMENTS

Program initially started in Fall 2015.

ATTACHMENTS

**BOR Approved:** Associate, Bachelor and Graduate Degrees, and sole credential certificates

BOR Meeting Minutes & Supporting Documents  Curriculum

**Chancellor Approved:** Certificates related to authorized BOR program & Associate in Technical Studies (ATS) Degree

Memo from Chancellor to notify VPAA about new program  Curriculum

For new certificates approved by the Chancellor, the related BOR authorized academic program is:

VERIFICATIONS

*By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.*

**Registrar:**

James Cromwell



03/21/16

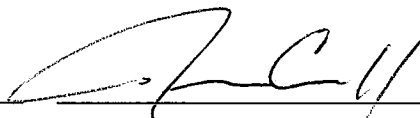
Print Name

Signature

Date

**Financial Aid Officer:**

James Cromwell



03/21/16

Print Name

Signature

Date

*For Community Colleges, verification of consultation with OVPC Academic Affairs:*

Print Name

Signature

Date



UNIVERSITY  
of HAWAII  
WEST O'AHU

Vice Chancellor for Academic Affairs Office

May 14, 2015

MEMORANDUM

TO: Dr. Risa Dickson  
Vice President for Academic Affairs

VIA: Dr. Rockne Freitas *Rockne Freitas*  
Chancellor

FROM: Dr. Doris Ching *Doris Ching*  
Interim Vice Chancellor for Academic Affairs

SUBJECT: Request for program codes for new UHWO concentrations in Facilities Management; and Sustainable Community Food Systems

This communication is to inform you that, per EP 5.205, the following new concentrations in the Bachelor of Applied Sciences Degree program have been approved by the Chancellor at UH-West O'ahu, and to request program codes for these new concentrations:

- 1) New concentration: Facilities Management  
Approved: 01/27/15  
Effective: Fall 2015

The Division of Business has focused a management position in this area and no additional general funded resources will be needed. This concentration was developed to meet workforce needs and there has been collaboration with industry partners in the development of the coursework and in finding additional funding support.

This program was carefully and strategically planned to align with the UH System Strategic Directions as well as the UH West O'ahu Strategic Plan. Also, there is tremendous opportunity (and intent) to align our BAS concentration in Facilities Management with UH system AS programs in Natural Science in pre-engineering, construction technology, carpentry, electrical installation and maintenance technology. AS and AAS programs support the BAS approach.

- 2) New concentration: Sustainable Community Food Systems  
Approved: 03/24/15  
Effective: Fall 2015

UHWO Request for Program Codes

May 14, 2015

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The core and complementary coursework for the Sustainable Community Food Systems uses many already existing courses with a few additional ones. Additional elective coursework will be developed later as the program grows. Future faculty positions will be part of our anticipated growth and campus build-out plans.

The Bachelor of Applied Sciences is a BOR approved degree program, and these new concentrations will not require a major commitment of general funded resources.

Enclosure

Cc: Joanne Itano, Associate Vice President for Academic Affairs  
Pearl Iboshi, Director, IRAO

## Bachelor of Applied Science, Sustainable Community Food Systems (SCFS)

The goal of academic advising is to further enhance the educational mission of the university, and create quality, accessible advising partnerships with all students in a positive environment that supports student success. This advising sheet is for tracking purposes toward degree completion. Students also may track their academic progress via STAR Degree Check through MyUH at [myuh.hawaii.edu](http://myuh.hawaii.edu). Academic Advising appointments may be scheduled by calling 808-689-2689 or toll-free from neighbor islands at 866-299-8656. Please contact Dr. Monique Mironesco at [mironesc@hawaii.edu](mailto:mironesc@hawaii.edu) or Dr. Albie Miles at [albie@hawaii.edu](mailto:albie@hawaii.edu) for further information.

### Graduation Requirements (see the 2015-2016 catalog for any additional graduation requirements):

- 45 Upper Division Credits Minimum  
 120 Total Credits Minimum  
 30 UHWO Credits

- 9 Credits Upper Division Writing Intensive  
 Focus Requirements (OC, HAP, ETH)

- 2.0 OVERALL GPA  
 2.0 UHWO GPA  
 2.0 CONCENTRATION GPA

### GENERAL EDUCATION REQUIREMENTS: 31 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	Foundations Written Communication (FW) ENG 100 Composition or ENG 100T Composition with Tutorial			
3	Foundations Symbolic Reasoning (FS) MATH 103, MATH 135, MATH 140 or higher			
3	Foundations Multicultural Perspectives (FG): 6 credits from two <u>different</u> groups (A, B, C): *Group A: Primarily before 1500 CE (e.g.; HIST 151 or ANTH 151) *Group B: Primarily after 1500 CE (e.g.; HIST 152 or ANTH 152) *Group C: Pre-history to present			
3	Foundations Multicultural Perspectives (FG): Group different from above			
3	Diversification Arts, Humanities & Literature (DA, DH, DL): 6 credits from two different Areas (highly recommend HWST 107 as DH and HAP focus)			
3	Diversification Arts, Humanities & Literature (DA, DH, DL): Different from area above (highly recommend SCFS Survey of Literature on Agriculture, Food and the Environment (DL,WI))			
3	Diversification Social Sciences (DS): 6 credits from two different areas			
3	Diversification Social Sciences (DS): Different area from above.			
3	Diversification Natural Sciences (DB, DP, DY) 3 credits from the biological sciences (DB) (highly recommend BIOL 124 or SCFS 310)			
3	3 credits from the physical sciences (DP)			
1	1 credit from a laboratory (DY)			

### WRITING SKILLS REQUIREMENT: 3 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	<b>Select one course from the following:</b> ENG 200 Composition II ENG 209 Business Writing ENG 210 Writing Term Papers ENG 215 Research/Argumentative Writing			

### LOWER DIVISION MATH REQUIREMENT: 3 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
(3)	*MATH 103, MATH 135, MATH 140, MATH 241, or MATH 242 *Will satisfy FS requirement (pre-req for SSCI 210 is Math 103 with a C- or higher)		Complete in GE	

### BAS CORE REQUIREMENTS: 12 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	*SCFS 485 Cross-Cultural Environmental Ethics or PHIL 482 Environmental Ethics *Also counts toward WI requirement	ETH		
3	SSCI 301 Methods & Techniques in Social Science Research			
3	ICS 101 Digital Tools for the Information World <b>OR</b> PUBA 335 Technology in Public Administration			
3	<b>Select one course from the following: (Check pre-requisites)</b> SSCI 210 Statistical Analysis I PUBA 341 Statistics for Decision-Making in Public Administration BUSA 320 Statistics for Decision-Making			

**SCFS Concentration Requirements: 18 credits**

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	BIOL 124 Environment and Ecology (also satisfies DB for Gen Ed and is a pre-req for all upper division SCFS courses)			
3	SCFS 300 Survey of Sustainable Community Food Systems of Hawai'i			
3	SCFS 310 Introduction to Agroecology (also satisfies Gen Ed DB)			
3	SCFS 320 Theory and Practice of Sustainable Agriculture			
3	SCFS/POLS 335 Politics of Food (also satisfies Gen Ed DS)			
3	SCFS 490 Sustainable Agriculture Practicum	OC		

**SCFS Electives: 12 credits**

**Select four courses from the list below:**

SCFS 340 Food Sovereignty, Nutrition & Human Well-Being Reconnecting Food, Nature and Community (ETH/OC)

\*\*MET 209 Introduction to Climate Studies

SCFS \_\_\_ Bees and Beekeeping

SCFS \_\_\_ Survey of Literature on Agriculture, Food, and the Environment (DL, WI)

SCFS \_\_\_ Native Planters of Old Hawaii: An Introduction to Traditional Agriculture Systems of Hawaii and the Pacific

SCFS \_\_\_ Indigenous Natural Resource Management

SCFS \_\_\_ Specialty Crops of Pacific Islands

SCFS \_\_\_ Soil Fertility Management for Sustainable Agriculture

SCFS \_\_\_ Natural Pest Management for Sustainable Agriculture

SCFS \_\_\_ Food and Agricultural Policy in Hawai'i

SCFS \_\_\_ Research Internships in Agroecology: Biodiversity and Ecosystem Services in Agriculture

\*\* Note: Lower division course.

3	SCFS ___ Survey of Literature on Agriculture, Food, and the Environment (DL, WI)	WI		
3				
3				
3				

**Complementary Area: 12 credits**

**Select 12 credits of Hawaiian Pacific Studies, Social Science or Education from the following:**

\* Recommended to meet one General Education Diversification Social Science Requirement

\*\* Lower Division Course

ANTH/SOC 423 Social and Cultural Change  
ANTH 447 Polynesian Cultures  
\*\*EDUC 120 'Aina/Place-Based Education

HAW 301 Third-level Hawaiian I  
HAW 302 Third-level Hawaiian II  
HPST/HUM 304 Hawaiian/Pacific Traditions  
HPST/GEOG 328 Culture and Environment

HPST/POLS 342 Indigenous Peoples & Modernity  
HPST/GEOG 365 Geography of the Pacific  
HPST/POLS 381 Hawai'i Politics  
HPST/POLS 440 Native Hawaiian Law  
HPST/HIST 471 Polynesia Before European Contact  
HPST/HIST 384 Hawai'i from European Contact to the Overthrow  
HPST/HIST/ANTH 483 Archaeology of Hawai'i  
HPST/HIST 488 Twentieth Century Hawai'i  
\*POLS 326 Environmental Politics  
\*POLS 371 Global Futures (ETH)

3				
3				
3				
3				

**CAPSTONE: 3 credits**

3	APSC 490X Senior Practicum –Sustainable and Community Food Systems	WI		
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**ELECTIVES:**

\*Please note Upper and Lower Division electives may vary depending on your course selection  
See a Student Services Academic Advisor

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3				
3				

UH West O'ahu Student Advising Sheet for Academic Year 2015-2016

3				
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2				

University of Hawai'i – West O'ahu  
**FORM FOR ADDITION OR DELETION OF ACADEMIC CONCENTRATION OR  
CERTIFICATE PROGRAM**

*Before completing this form, refer to the "New Academic Concentration or Certificate (UHWO Form PC1) Proposal Instructions – AND – New Degree Program (UHWO Form PC2) Proposal Instructions*

Action Requested (√ one):

Delete Program

Add Program

1. If deleting a program, indicate:

a. Name of existing program

b. Location of primary references to modified course in current catalog (e.g., SSCI 305 mentioned on pp.37 and 77):

**If deleting a program, proceed to #4.**

2. If adding a program, indicate:

a. Name of proposed program:

**Concentration in Sustainable Community Food Systems for the Bachelor of Applied Sciences**

b. Program narrative

The proposed concentration in Sustainable Community Food Systems (SCFS) at UHWO will prepare students for jobs in the sustainable agriculture sector in Hawai'i. The SCFS program will provide an experiential education that develops student comprehension of key ecological and social issues in agriculture. Problem-based and hands-on learning will be key educational strategies used to develop environmental professionals capable of solving real-world problems and transitioning Hawai'i agriculture toward greater ecological and social sustainability. The concentration is designed to prepare students for work in non-profits, K-12 education, natural resource management, agriculture and food policy, business, social enterprise, social work, production agriculture or pursue graduate education.



- c. Program requirements (e.g. number of credits required, specific courses required, etc.)

*Bachelor of Applied Science Core (18 Credits): Standard for all existing BAS Programs*

ENG 200 Composition II or ENG 209, 210, or 215

ICS 101 Digital Tools for the Information World, or PUBA 335 Technology in Public Administration

Statistics Course: SSCI 210 or equivalent

SSCI 301 Methods and Techniques in Social Science Research or equivalent

SCFS 485 Cross-Cultural Environmental Ethics (SCFS core requirement), or PHIL 412

Environmental Ethics, or MGT 301 Business Ethics

*Concentration Requirements in SCFS (42 Credits)*

**SCFS CORE REQUIREMENTS: 24 credits for SCFS core requirements and 12 credits for SCFS electives, and 12 credits in Complementary Area (48 credits total)**

**SCFS core requirements (24 credits)**

BIOL 124 Environment and Ecology (also satisfies Gen Ed DB) (Pre req. for all upper division SCFS courses)

SCFS 300 Survey of Sustainable Community Food Systems of Hawai'i

SCFS 310 Agroecology: The Science of Sustainable Agriculture (also satisfies Gen Ed DB)

SCFS 320 Theory and Practice of Sustainable Agriculture

SCFS/POLS 335 Politics of Food (also satisfies Gen Ed DS)

SCFS 485 Cross-Cultural Environmental Ethics (also satisfies ETH)

SCFS 490 Sustainable Agriculture Practicum (OC)

ASPC 490-S Sustainable Food Systems Practicum (WI) – Pre-requisite – 1 upper division WI

**SCFS Electives (12 credits)**

SCFS 340 Food Sovereignty, Nutrition & Human Well-Being: Reconnecting Food, Nature and Community (Pre-req. SCFS 300 elective)

SCFS\_\_ Beekeeping (elective)

SCFS\_\_ A Survey of Environmental Literature (DL, WI) (elective)

SCFS\_\_ Native Planters of Old Hawaii: An Introduction to Traditional Agriculture Systems of Hawaii and the Pacific (elective)

SCFS\_\_ Indigenous Natural Resource Management (elective)

SCFS\_\_ Specialty Crops of Pacific Islands (elective)

SCFS\_\_ Soil Fertility Management for Sustainable Agriculture (Pre-req. SCFS 310 and SCFS 320 elective)

SCFS\_\_ Natural Pest Management for Sustainable Agriculture ((Pre-req. SCFS 310 and SCFS 320 elective)

SCFS\_\_ Research Internships in Agroecology: Biodiversity and Environmental Services in Agriculture (Pre-req. SCFS 310 and SCFS 320 elective)

**Complementary Area: Hawaiian Pacific Studies/Social Science/Education – select four courses (12**

**credits) from the list below:**

ANTH 447 Polynesian Cultures	HPST/HIST Hawai'i from European Contact to the Overthrow
EDUC 120 'Aina and Place-Based Education	HPST/HIST/ANTH 483 Archaeology of Hawai'i
HPST 304 Hawaiian-Pacific Traditions	HPST/HIST 488 Twentieth Century Hawai'i (or
HPST/GEOG 328 Culture and Environment	HWST 291 Contemporary Hawaiian Issues)
HPST/POLS/ANTH 342 Indigenous Peoples & Modernity	POLS 326 Environmental Politics (recommended to fulfill DS)
HPST/GEOG 365 Geography of the Pacific	POLS 371 Global Futures (recommended to fulfill DS)
HPST/HIST 381 Hawai'i Politics	SOC/ANTH 423 Social and Cultural Change
HPST/POLS 440 Native Hawaiian Law	<u>HAW 101/102 Elementary Hawaiian</u>
HPST/HIST 471 Polynesia Before European Contact	<u>HAW 201/202 Intermediate Hawaiian</u>
	<u>HAW 301/302 Third-Level Hawaiian</u>

d. Proposed courses for the program

Note: Besides SCFS 340: Food Sovereignty, Nutrition and Human Well-Being (below), these classes will be developed one per semester as the program grows. CC1 forms will be submitted for each of these courses as they come up in the SCFS concentration course rotation.

Course Alpha & Number	Course Title
SCFS 340	Food Sovereignty, Nutrition & Human Well-Being: Reconnecting Food, Nature and Community (Pre-req. SCFS 300 elective)
SCFS__	Beekeeping (elective)
SCFS__	A Survey of Environmental Literature (DL, WI) (elective)
SCFS__	Native Planters of Old Hawaii: An Introduction to Traditional Agriculture Systems of Hawaii and the Pacific (elective)
SCFS__	Indigenous Natural Resource Management (elective)
SCFS__	Specialty Crops of Pacific Islands (elective)
SCFS__	Soil Fertility Management for Sustainable Agriculture (Pre-req. SCFS 310 and SCFS 320) (elective)
SCFS__	Natural Pest Management for Sustainable Agriculture (Pre-req. SCFS 310 and SCFS 320) (elective)
SCFS__	Food, Agriculture and Nutrition Policy in Hawai'i (elective)
SCFS__	Research Internships in Agroecology: Biodiversity and Environmental Services in Agriculture (Pre-req. SCFS 310 and SCFS 320) (elective)

**Note: For addition of courses, forms CC1 should already have been completed and submitted.**

3. Will the proposed program addition require any additional resources?  No  Yes  
If "yes," please explain:

The program will require additional instructors/lecturers and resources to teach specific courses. However, financial support has already been provided from educational partners such as Kamehameha Schools (\$435,000). Additional funding to support the addition of the program is anticipated.

Justification or rationale for program action (deletion or addition)

About 85-90% of Hawaii's food is imported which makes it particularly vulnerable to natural disasters and global event that might disrupt shipping and the food supply. The economic impact of food import replacement is significant. Replacing just 10% of the food we currently import would amount to approximately \$313 million. Assuming a 30% farm share, \$94 million would be realized at the farm-gate which would generate an economy-wide impact of an additional \$188 million in sales, \$47 million in earnings, \$6 million in state tax revenues, and more than 2,300 jobs. An investment in programs and projects which support greater food self-sufficiency will result in economic, social and environmental benefits to the State of Hawaii.

The SCFS concentration will provide an intellectually rigorous, experiential and multi-disciplinary education that serves to develop student comprehension of complex and interrelated ecological and social issues in agriculture such that they are capable of formulating meaningful and sophisticated responses to these challenges. The integration of theory with practice and problem-based learning will be key pedagogical strategies used to develop the next generation of environmental and food systems professionals capable of solving real-world problems and transitioning Hawai'i agriculture toward greater ecological and social sustainability.

The SCFS program curriculum will emphasize the principles and practices of ecologically based farming and applied research along with structural analyses of the obstacles and opportunities for greater social equity and natural resource sustainability in agriculture. The SCFS program is designed to serve the NHPI population through innovative programming that honors the host culture through the integrative study of traditional land use practices and modern empirical science. The program intends to develop NHPI youth leadership for stewarding the agricultural resources of Hawai'i over the long-term.

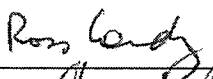
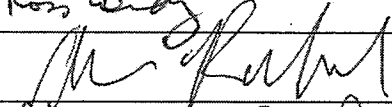

In addition, housing the Sustainable Community Food Systems (SCFS) concentration in the Bachelor of Applied Science (BAS) major will accomplish the following:

- The concentration in Sustainable Community Food Systems (SCFS) will prove more attractive to students and faculty colleagues by streamlining and focusing the curriculum while creating greater overall logic and unity for the program;
- The BAS with a concentration in SCFS will enable students to take an greater number of interdisciplinary courses (24 core and 12 elective credits for a total of 36 credits) in the concentration area of Sustainable Community Food Systems;
- The BAS will reduce the number of course credits required from other disciplines (e.g. Business and the Social Sciences);
- Will enable greater outreach and recruitment sooner than previously anticipated in order to build enrollment for the program before Kamehameha Schools (KS) funding runs out in June of 2016;
- Will send strong positive message to the initial funders (KS) and students re: the commitment of UHWO to this field of study.

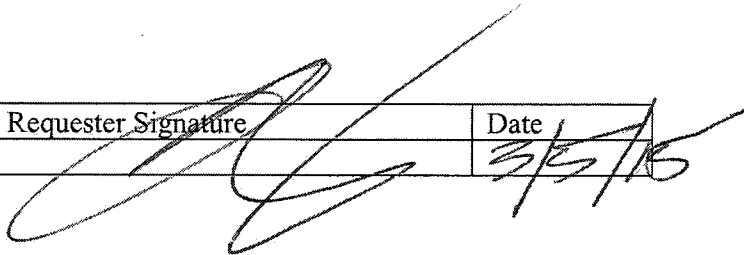
The SCFS concentration will develop highly skilled, employable, and civic-minded youth prepared to advance the rapidly expanding sustainable agriculture industry through developing new farm businesses, cutting-edge social enterprises, or preparing students for graduate-level training in disciplines such as Education, Hawaiian Studies, Natural Resource and Environmental Management, Political Science or Urban and Regional Planning at UH Mānoa.

4. Have all relevant personnel been consulted?  No  Yes

If "yes," obtain signatures for those who approve:

Name	Concentration	Signature
Ross Cordy	Faculty	
Alan Rosenfeld	Chair, Humanities	
Sheryle Proper	VCAA Office	

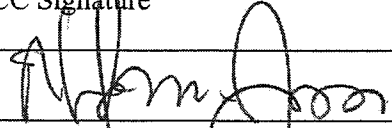

5. Change requested by:

Requester Name (Please Print):	Requester Signature	Date
Albie Miles		3/5/15

6. Change Reviewed by:

Division/Program Chair (Please Print)	Chair Signature	Date
Mark Hanson		3/5/2014

7. UHWO Action approved by:

UHWO Curriculum Chair Name (Please Print):	CC Signature	Date
Rick Jones RICHARD M. JONES		3/13/15
UHWO Vice Chancellor Academic Affairs (Please Print):	VCAA Signature	Date
Doris Ching	Sheryle Proper for Doris Ching	3/23/15
UHWO Chancellor (Please Print):	Chancellor Signature	Date
Rockne Freitas		3/24/15.