UNIVERSITY of HAWAIʻI®
MAUI COLLEGE

November 19, 2019

MEMORANDUM

TO: Donald O. Straney
          Vice President for Academic Planning and Policy

FROM: Lui K. Hokoana
          Chancellor

SUBJECT: PROGRAM ACTION AT UNIVERSITY OF HAWAIʻI MAUI COLLEGE

I have approved the following program actions so that the necessary codes can be established in Banner.

If you have any questions or concerns, please let me know. Thank you for your assistance.

NEW PROGRAM CODE
CO-AG-AGB (Beekeeping) Effective Term Fall 2018.
CO-AG-NRM (Natural Resource Management) Effective Term Fall 2018.
CO-ABIT-DSML (Data Science & Machine Learning) Effective Term Fall 2019.
CO-AG-PLLM (Landscape Maintenance) Effective Term Fall 2015.
CO-AG-STCP (Sustainable Tropical Crop Production) Effective Term Fall 2015.
CA-AG-AGNM (Nursery Management) Effective Term Fall 2002.
CA-AG-AGHL (Horticulture & Landscape Maintenance) Effective Term Fall 2002.
CA-AG-STCM (Sustainable Tropical Crop Management) Effective Term Fall 2002.
AAS-AG-AGHL (Horticulture & Landscape Maintenance) Effective Term Fall 2002.
AAS-AG-STCM (Sustainable Tropical Crop Management) Effective Term Fall 2002.

NEW SUBJECT CODE
SW (Social Work) Effective Term Spring 2020.

TERMINATE PROGRAM CODE
CO-AG-AGSC (Agricultural Science) Effective Term Fall 2018.
CO-AG-NRPD (Nursery Production) Effective Term Fall 2018.
CO-DENT (Dental Assisting). Effective Fall 2017.
CO-ECET (Electronic & Computer Engineering Technology). Effective Fall 2019.
CO-NURS-TAA (Therapeutic Activity Aide). Effective Fall 2017.
CO-NURS-TAA2 (Therapeutic Activity Aide II). Effective Fall 2017.

cc: Pearl Iboshi, Director of IRAO
        Peter Quigley, Associate Vice President of Academic Affairs
        Debra Nakama, Vice Chancellor of Student Affairs
        Kahele Dukelow, Dean of Arts & Sciences
        Laura Nagle, Dean of CTE
        Kulamanu Ishihara, Assistant Professor, Counseling

NEW OR MODIFY PROGRAM CODE

Form #CR-AP1
Modified June 2017

☒ **New Program Code** ☐ **Modify Program Code**   Date: 6/28/2018

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ▾
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution	MAU - Univ of Hawaii Maui College ▾	Campus	MAU - Univ of Hawaii Maui College ▾
Level	UG - Undergraduate ▾	Effective Term	Fall 2018

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) IN	Instructional	☐ See Banner form STVCOLL
Department	(4) AG	Agriculture&Natural Resources	☐ See Banner form STVDEPT
Degree/Certificate	(6) CO	Certificate of Competence	☐ See Banner form STVDEGC
Major	(4) AG	Agriculture&Natural Resources	☐ See Banner form STVMAJR
Concentration	(4) AGB	Beekeeping	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: AGB - Beekeeping

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

This certificate at UH Maui College will provide training to interested students from the AG program and the community, to create apiaries for their farms, or as a side business, or as a hobby.

Is this major/concentration code being used the same way at the other UH campuses?	☒ Yes	☐ No
Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.*	☐ Yes	☒ 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?	☐ Yes	☒ No
Is this program/major/certificate financial aid eligible?	☐ Yes	☒ No
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html	☐ Yes	☒ No

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.   1.0

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

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☐ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

☐ BOR approved certificate. BOR Meeting/Approval Date: _____

☒ Chancellor approved within an authorized BOR program. BOR Program: Agriculture & Natural Resources

☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

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

Registrar (Print Name)	**Financial Aid Officer** (Print Name)	**For Community Colleges, verification of consultation with OVPCC Academic Affairs:**
Flora Mora	Davileigh Naeole	~~Suzette Robinson~~
Signature 7/6/18 Date	_Signature_ 7/13/18 Date	_Signature_ 1/25/2022 Date
		Della Teraoka, Int Dir of Acad Progs

CO-AG- BK | Beekeeping

Approved | Fall 2018

Proposal Information

Workflow Status

Proposer

✔ **Ann Emmsley (Submitter)**
    Submitted 10-24-2017

DEPARTMENT (STEM) \\ Curriculum Department Representative

✔ **Donna Harbin**
    Approved 10-24-2017
DH 10/24/2017

DEPARTMENT (STEM) \\ Department Chair

✔ **Sean Calder**
    Approved 10-25-2017

(ADMINISTRATION) \\ VCAA

✔ **Jonathon McKee**
    Approved 10-26-2017
I like the stackable credential and bee
keeping is essential to agriculture.

(ADMINISTRATION) \\ CHANCELLOR

✔ **Lui Hokoana**
    Approved 10-26-2017

Code	Title
CO-AG- BK	Beekeeping

Proposal Details

Type of Proposal

New

Proposer Name(s)
Ann Emmsley, Mach Fukada

Internal Proposal Date
October 20, 2017

Proposal Summary
A new CO -Beekeeping (4) - AG 162 Introduction to Beekeeping (2) and AG 163 Advanced Beekeeping (2) Alllows students who complete to get a certificate. Many people who take these two courses only take these courses. AGNR majors can use for courses electives and get a certificate along the way.

Course(s)
AG 162 Introduction to Beekeeping (2)
AG 163 Advanced Beekeeping (2)

Proposal Rationale/Justification
Beekeeping courses have been popular with Ag students and members of community who just want to take beekeeping. This will allow folks who just want to do beekeeping to get a certificate and AG students to "complete" a certificate even before they graduate. Provides training for folks to create apiaries and add this to their farm or make a side business or a subsistence hobby.

Proposal Supporting Documents
- Catalog -Beekeeping.docx

Other Departments Involved
none

Have other departments been consulted?

Proposal Impact(s) - Articulation
None

Proposal Impact(s) - Requirements
None

Proposal Impact(s) - Resources
None - already teaching this and have an apiary in Agriculture department

Department Vote
18 in favor - 0 not in favor

Proposer Notes
AG 163 is being proposed - converting experimental course to official status

General Information

Program Title
Beekeeping

Program Level Type

Degree Type

Certificate   --

Catalog Description
Beekeeping: 4 credits Agriculture 162(2), 163 (2)

College

Division

Department
STEM

Learning Outcomes

Outcomes

Program Requirements

Entrance Requirements
none

--
None

Satisfactory Progress Requirements
Must pass AG 162 with a B or better and AG 163 with a C or better.

--
None

Completion Requirements
See above

--
None

BOR Information

Program Justification
Fits into a "production" elective for Sustainable Crop Production and allows students who are very interested develop more skills that are required to be successful in commercial beekeeping. Promotes small business development.

Program Mission and Objectives
Fits under AGNR program PLO's

Program Curriculum Plan
AG 162 Fall
AG 163 Spring

Program Target Group
Limit of 10 students per class.

Program Resources
None - already doing

Program Efficiency
It is an expensive course to run as only 10 students per class. Lecturer taught. Have used grant funds to pay lecturer. Honey produced by the class makes money to buy supplies for beekeeping AND other courses in program. Supports other classes - and keeps program from using G funds for supplies.
Measurement will be folded into current program review process.

Program Effectiveness
Evaluated using current program review process.

Attachments

Curriculum Committee (For Administrative Use Only)

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1) Start Date

2) Type of Proposal
--

3) Curriculum Proposal Number

4) Curriculum Committee notes

NEW OR MODIFY PROGRAM CODE

Form #CR-AP1
Modified June 2017

☒ **New Program Code**　　☐ **Modify Program Code**　　Date: 7/6/2018

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ☐
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution	MAU - Univ of Hawaii Maui College ☐	Campus	MAU - Univ of Hawaii Maui College ☐
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Department	(4) AG	Agriculture &Natural Resources	☐ See Banner form STVDEPT
Degree/Certificate	(6) CO	Certificate of Competence	☐ See Banner form STVDEGC
Major	(4) AG	Agriculture &Natural Resources	☐ See Banner form STVMAJR
Concentration	(4) NRM	Natural Resource Management	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code:　ATS-CNRM

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

Although this certificate CO-AG-NRM may lead some students to the ATS-CNRM, it's focus is less on cultural aspects and more on STEM/AG areas.

Is this major/concentration code being used the same way at the other UH campuses?	☐ Yes	☒ No	
Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.*	☐ Yes	☒ 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?	☐ Yes	☒ No	
Is this program/major/certificate financial aid eligible?	☐ Yes	☒ No	
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? *See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html*	☐ Yes	☒ No	

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.　　1.0

Special Program Designations
See Special Program Designations Code Definitions on IRAO Program Code Request webpage
☐ A　☐ B　☒ N　☐ P　☐ T　☐ U

Required Terms of Enrollment:　☒ Fall　☒ Spring　☐ Summer　☐ Extended

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☒ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

☐ BOR approved certificate. BOR Meeting/Approval Date: _____

☒ Chancellor approved within an authorized BOR program. BOR Program: Agriculture & Natural Resources

☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

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

Registrar (Print Name)	**Financial Aid Officer** (Print Name)	**For Community Colleges, verification of consultation with OVPCC Academic Affairs:**
Flora Mora	Davileigh Naeole	~~Suzette Robinson~~
Signature ____ 7/6/18	_Signature_ ____ 7/13/18	_Signature_ ____ 1/25/2022
Signature Date	Signature Date	Signature Date
		Della Teraoka, Int Dir of Acad Progs

CO -AG -NRM | Natural Resource Management

Approved | Fall 2018

Proposal Information

Workflow Status

Proposer

✔ **Ann Emmsley (Submitter)**
  Submitted 10-27-2017

✔ Ann Emmsley
  Submitted 3-6-2018

Added operands

DEPARTMENT (STEM) \\ Curriculum Department Representative

✔ **Donna Harbin**
  Approved 3-8-2018

DH 3/8/18

DEPARTMENT (STEM) \\ Department Chair

✔ **Sean Calder**
  Approved 3-21-2018

(CURRICULUM COMMITTEE) \\ MEMBERS

✉ Lorelle A S Peros

✉ Timothy Marmack

✉ Kristine Korey-Smith

✉ Juliana Patao

✉ Donna Harbin

✉ Mary Farmer

✉ Michael Takemoto

✉ Ryan Daniels

✉ Clifford Rutherford

✉ C. Kuulei Nakahashi

✉ David Grooms

✉ Craig Omori

✉ Kaheleonolani Dukelow

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS

✔ **Timothy Marmack**
  Approved 5-10-2018

✔ **Lorelle A S Peros**
  Approved 5-10-2018

(ACADEMIC SENATE) \\ SENATE CHAIR

✔ **Rosiana Azman**
Approved 5-10-2018

(ADMINISTRATION) \\ VCAA

✔ **Jonathon McKee**
Approved 6-15-2018

(ADMINISTRATION) \\ CHANCELLOR

✔ **Lui Hokoana**
Approved 6-15-2018

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST

✔ **Debie Amby**
Approved 6-29-2018

(CATALOG & STAR INPUT) \\ STAR GPS SPECIALIST

✉ Christine Ishihara

✉ Shane Payba

Code
CO -AG -NRM

Title
Natural Resource Management

Proposal Details

Type of Proposal
New

Proposer Name(s)
Ann Emmsley

Internal Proposal Date
October 20, 2017

Proposal Summary

A new CO for Natural Resource Management. Puts a resource management certificate in the catalog. Aligns with a portion currently recommended ATS in Cultural and Natural Resource management. Focus is on the STEM/ AG areas rather than the cultural aspects.

Course(s)
GIS 150 (3) Introduction to GIS
BOT 105/HWST 211 (3) Ethnobotany
AG 265 (3) Horticulture of Hawaiian Plants and AG 265L (1) Horticulture of Hawaiian Plants Laboratory
AG 174 (3) Insects and Their Control
AG 281 (3) Weed Science
BIOL 105 (3)Hawaiian Field Biology and BIOL 105L(1) or BIOL 124 (3) Environment & Ecology and BIOL 124L (1) Environment and Ecology Laboratory
AG 193V (1) Cooperative Education

Proposal Rationale/Justification
Students have been doing an ATS in Cultural and Natural Resource Management for some years and we have several graduates both on Maui and Molokai.

Proposal Supporting Documents

Other Departments Involved
No - however did consult with Hawaiian Studies - plan to work on AAS with an interdisciplinary approach to resource management in the future.

Have other departments been consulted?
Yes

Proposal Impact(s) - Articulation
None

Proposal Impact(s) - Requirements
None - all courses already taught

Proposal Impact(s) - Resources
None - all courses already taught

Department Vote
18 Yes ; 0 no

Proposer Notes

General Information

Program Title

Natural Resource Management

Program Level Type
Certificate

Degree Type
--

Catalog Description
Natural Resource Management 21 credits GIS 150 (3), BOT 105/HWST 211 (3), Agriculture 174 (3), 265(3), 265L(1), 281(3), 193V(1); BIOL 105(4) or 124(3)and 124L(1)

College

Division

Department
STEM

Learning Outcomes

Outcomes   `

Program Requirements

Entrance Requirements
none

Logic: A
    A
None

Satisfactory Progress Requirements
Must pass all courses with a minimum of a C to acquire the certificate.

Logic: A
    A
- Must pass all required courses with a minimum of a C to acquire the certificate.

Completion Requirements
Must pass all courses with a minimum of a C to complete the certificate.

Logic: ((A and B))
Group
Group
    A   Complete with a C or better
- Completed these courses:
  - GIS 150 - Intro to GIS & GPS
  - AG 265 - Horticulture Hawn Plants
  - AG 265L - Horticulture of Hawaiian Plants Laboratory
  - AG 281 - Weed Science   AND
  - AG 174 - Insect Control
  - AG 193V - Coop Voc Ed
  - BOT 105 - Hawn Ethnobotany
- And

B
- Complete with a C or better BIOL 105 and BIOL 105 L or BIOL 124 and BIOL 124L

BOR Information

Program Justification
We have over 6 graduates of Cultural and Natural Resources ATS degrees so there is interest in this area. Would help move folks to ATS if there is an official catalog entry for a certificate.

Program Mission and Objectives
These skills and knowledge aquired in these classes along with an internship would assist students into getting into entry level technician positions or additional internships. They could also move to getting an associates or higher degree.

Program Curriculum Plan
Fall: BIOL 105 and BIOL 105L or 124 & 124 L, AG 174
Spring: BOT 105, AG 281,
Summer: AG 193 V
Fall: GIS 150, AG 265 & 265L

Program Target Group
Workers in field who need upgrading; recent high school graduates who want to go into conservation and stay home, or non-traditional students looking to change career. Students have graduated with ATS degree with similar but more complete series of courses. Have several new students every year wanting to be in CNRM ATS.

Program Resources
none - courses already offered

Program Efficiency
Will be covered by current program review.

Program Effectiveness
Will be covered by current program review.

Attachments

Curriculum Committee (For Administrative Use Only)

---

1) Start Date

2) Type of Proposal
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3) Curriculum Proposal Number

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NEW OR MODIFY PROGRAM CODE
Form #CR-AP1
Modified June 2017

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REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ▾
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VC of Academic Affairs	Phone	808-984-3378

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Major	(4) AG	Agriculture &Natural Resources	☐ See Banner form STVMAJR
Concentration	(4) STCP	Sust Tropical Crop Production	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: CO-AG-STCP

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

This certificate for the Sustainable Tropical Crop Production has been offered since before Banner but a request for the concentration was not created.

Is this major/concentration code being used the same way at the other UH campuses?	☒	Yes	☐	No
Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.*	☐	Yes	☒	No

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Signature _11/15/19_ Date	_Signature_ _11/15/19_ Date	_Signature_ _1/25/2022_ Date
		Della Teraoka, Int Dir of Acad Progs

Form modified: June 2017