☒ **New Program Code**   ☐ **Modify Program Code**   Date: 2/5/2020

REQUESTOR CONTACT INFORMATION

Name	Daniela Elliott	Campus	Leeward CC
Title	Assistant Professor	Email	ddutra@hawaii.edu
Office/Dept	Math & Sciences	Phone	(808) 223-8090

NEW PROGRAM CODE TO CREATE

Institution	LEE - Leeward Community College	Campus	LEE - Leeward Community College
Level	UG - Undergraduate	Effective Term	Fall 2020

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) IN	Instructional	☐ See Banner form STVCOLL
Department	(4) ~~MS~~ LBRT	~~Math & Science~~ Liberal Arts	☐ See Banner form STVDEPT
Degree/Certificate	(6) ASC	Academic Subject Certificate	☐ See Banner form STVDEGC
Major	(4) ~~LBRT~~ SUSI	~~Liberal Arts~~ Sustainability Issues	☐ See Banner form STVMAJR
Concentration	(4)		☐ See Banner form STVMAJR
Minor	(4)		☐ 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: _____

If new major, please list the BOR's approved Classification of Instructional Programs (CIP) Code: _____

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. 2.0

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 (for modifying existing program codes, specify the term to turn on/ off the online application, the recruitment/admission term, and the general student/history/ degree term.)

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: _____

☐ 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.
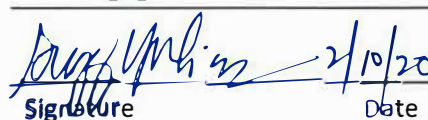
Registrar (Print Name)	Financial Aid Officer (Print Name)	For Community Colleges, verification of consultation with OVPCC Academic Affairs:
Grant Helgeson	Gregg Yoshimura	Della Teraoka
[signature] 2/5/20	*[signature]* 2/10/20	*[signature] Della Teraoka*
Signature Date	Signature Date	Signature Date

UNIVERSITY of HAWAI'I

LEEWARD
COMMUNITY COLLEGE

February 3, 2020

MEMORANDUM

TO: Donald Straney
                Vice President for Academic Planning & Policy

VIA: Kay Ono
                Interim Vice Chancellor for Academic Affairs

FROM: Carlos Peñaloza
                Chancellor

SUBJECT: Program Approval

I have approved the following effective Fall 2020. The approval can be found at:
https://leeward.kuali.co/cm

New
Academic Subject Certificate (ASC) - Sustainability

c   Division Chairs
     James Goodman
     Ron Umehira
     Pete Gross
     Adam Halemano
     Janel Oshiro
     Lexer Chou
     Candy Hochstein
     Pearl Imada-Iboshi

Program Code
Sustainability
Approved | Fall 2020

Proposal Information

Workflow Status

Proposer
- ✔ Pete Gross (Creator)
- ✔ **Daniela Elliott (Submitter)**
  Submitted 10-3-2019

Department (Math & Science) \\ Division Chair
- ✔ **William Albritton**
  Approved 10-11-2019

(Curriculum) \\ Curriculum Chair
- ✔ **Pete Gross**
  Approved 11-27-2019

(Faculty Senate) \\ Faculty Senate Chair
- ✔ **Michael Cawdery**
  Approved 12-18-2019

College (Arts & Science) \\ Dean
- ✔ **James Goodman**
  Approved 1-19-2020

College (Arts & Science) \\ Dean Secretary
- ✉ Arlene Prado

(Administration) \\ VCAA
- ✔ **Kay Ono**
  Approved 2-1-2020

(Administration) \\ VCAA Secretary
- ✉ Shirlene Callejo

(Banner) \\ Banner

✉ Janel Oshiro

✉ Adam Halemano

1) GENERAL INFORMATION

1.1) Effective Term
Fall 2020

1.2) Program Title
Sustainability

1.3) Degree Type
Academic Subject Certificate (ASC)

1.4) Description
This certificate is designed to provide an interdisciplinary focus on local and global issues of sustainability, and connect students with an interest in sustainability.

1.5) Division
Math & Science

P) PROPOSAL DETAILS

P.1) Proposal Summary
When discussing the S-Focus designation with faculty senate during AY 2018-2019 it was mentioned that part of the goal of having this designation is to create a certificate for students to obtain who are interested in sustainability. This certificate will also help with the UH Sustainability Education and the ability to implement UH Executive Sustainability Policy EP 4.202 .

P.2) Proposal Rationale/Justification
This is a new certificate that provides students with the ability to focus on sustainability.

P.3)Title Change
No

P.4) Proposal Supporting Documents

P.5) Other Departments Involved
Yes. The courses can be viewed here: https://sites.google.com/a/hawaii.edu/leeward-cc-s-designation-committee/s-designated-courses

P.6) Have other departments been consulted?
Yes

P.7) Proposal Impact(s) - Articulation
No.

P.8) Proposal Impact(s) - Requirements
None. S-designated courses are courses already being offered and have received the designation effective Spring 2020.

P.9) Proposal Impact(s) - Resources
None.

P.10) Department Vote

	Date	Yes	No	Abstain
Department Vote	2019/10/11	37	0	0

P.11) Proposer Notes

2) PROGRAM LEARNING OUTCOMES

2.1) Outcomes
Define sustainability on local, national and international levels.
Identify personal values and attitudes that can facilitate sustainable living.
Describe how the individual relates to the wider issues of sustainability.
Measure one's impact on the triple bottom line: People, Planet, Profit.
Identify the sociocultural values and attitudes that facilitate sustainable living at the local, regional and global levels.
Apply concepts of sustainability to local, regional and/or global challenges.
Describe how concepts of sustainability are connected to local, regional, and global issues.
Describe how traditional and indigenous perspectives inform sustainable practices.

3) BOR INFORMATION

3.1) Program Justification
The Leeward CC Mission Statement states: **We foster students to become responsible global citizens locally, nationally, and internationally.**

This certificate will help our students to become responsible global citizens by learn how we can protect our natural resources, reduce our carbon footprint and how we can protect the Earth.

The U.S. Bureau of Labor Statistics states, "There is no set career path for jobs in sustainability; these jobs have varying responsibilities across different organizations." This makes it hard to determine career opportunities as students could obtain jobs from being a Chief executive to a manager to climate change analyst to an accountant for a renewable energy company to a science teacher. The job possibilities are endless as this certificate is truly cross discipline.

3.2) Program Mission and Objectives
This certificate will also help with the UH Sustainability Education and the ability to implement UH Executive Sustainability Policy EP 4.202.

3.3) Program Curriculum Plan
Students will be required to complete a minimum of 16 credits and earn a grade of C or higher for all courses required in this certificate. To earn this certificate six courses must have the S-designation.

Science Courses (4 credits):

- AG 112 (4 credits, DB + DY)
- AG 264 (3 credits, DB + DY)
- BIOL 124 (3 credits, DB)
- BIOL 124L (1 credit, DY)
- BOT 130 (3 credits, DB)
- BOT 130L (1 credit, DY)
- GEOG 101 (3 credits, DP)
- GEOG 101L (1 credit, DY)
- Any other DB/DP/DY course.
- Lecture and Lab do not need to match

Electives (12 credits):

- Any course not previously completed for the Science Courses.

3.4) Program Rules

Program Minimum
Requirements

4
Total Credits

- Complete all of the following

    - Complete 1 of the following
        - Earned at least 4 credits from the following:
            - AG112 - Introduction to Organic Agriculture
            - AG264 - Plant Propagation (3)
            - BIOL124 - Environment and Ecology
            - BIOL124L - Environment and Ecology Lab
            - BOT130 - Plants in the Hawaiian Environment (3)
            - BOT130L - Plants in the Hawaiian Environment Lab (1)
            - GEOG101 - The Natural Environment (3)
            - GEOG101L - The Natural Environment Lab (1)
        - Earned minimum 4 of credits any other DB/DP/DY courses.
    - Earned 12 credits from any course not previously completed for the Science Courses.
    - 6 courses must have the S-designation

Grand Total Credits: 4

3.5) Program Target Group

This certificate is designed for students who wish to receive their AA-LBRT degree and learn more about sustainability. The certificate is also designed for students who wish to learn more about how critical issues related to global climate change and the environment. If students are thinking about transferring to a college to earn a Bachelor's in Sustainability this certificate can help them determine if this is the right field of study for them.

3.6) Program Resources

No additional resources will be necessary for this certificate.

3.7) Program Efficiency

The classes for this certificate are in place. No extra cost will be incurred.

3.8) Program Effectiveness

The S-Designation committee will implement different types of surveys to access student satisfaction and placement as well as gather input from faculty teaching S-Designation courses. A student survey will be sent out to students who have taken S-designation courses and are completing the certificate to gather information on satisfaction, career and placement. A faculty survey will focus on faculty input regarding the certificate and quality of student learning. Data will be gathered regarding number of graduates on a yearly basis.

Number of Projected Graduates:

- 2021 - 3 graduates
- 2022 - 5 graduates
- 2023 - 7 graduates
- 2024 - 9 graduates
- 2025 - 12 graduates

4) ATTACHMENTS