APPLICANT: Kaʻiulani Murphy

E-MAIL: kmurphy@hawaii.edu

COURSE ALPHA and NUMBER: HWST 282

COURSE TITLE: Hoʻokele II: Hawaiian Navigation: Weather, Canoe Design & Sailing

ESTIMATED NUMBER OF SECTIONS:
Fall: 0
Spring: 1

APPLICATION IS FOR:
☐ New Course  ☐ Modified Course  ☐ Existing Course  ☐ Re-designation
☐ Certification  X Re-Certification. Date of last certification: 2008

DIVERSIFICATION AREA DESIGNATION SOUGHT:
☐ DA (Arts)
☐ DB (Biological Sciences)
X DH (Humanities)
☐ DL (Literature and Language)
☐ DP (Physical Sciences)
☐ DS (Social Sciences)
☐ DY (Laboratory)
What percentage of the CONTENT of this course focuses on this diversification area?  75%

What percentage of CLASS MEETINGS focuses on this diversification area?  75%
1. **Hallmarks and SLOs.** Please explain how course-specific SLOs align with the diversification area’s hallmarks.

Students will be taught to utilize terminology of historical and cultural studies focusing on Hawaiian navigation and voyaging in the context of Polynesian culture, the discovery and settlement of Polynesia, and the revival of voyaging in modern times. The course involves readings, artifacts, concepts and processes related to these studies and involves inquiry using the methods of study, reflection, evidence-gathering and argumentation employed by scholars of history and culture.

**SLOs:**

1) Recognize and explain the shared elements, conflicts, and affirmations in indigenous traditions of voyaging in Hawaii and the Pacific, from pre-European contact to the revival of voyaging arts in modern times

2) Demonstrate knowledge of the voyages of Hokule‘a and other modern Pacific canoes and what has been learned from such voyages about traditional navigation, voyaging, and migration routes

3) Demonstrate knowledge of the Pacific-wide cross-cultural exchanges that are taking place in the modern revival of Hawaiian voyaging

4) Demonstrate knowledge of traditional Hawaiian and Polynesian concepts of the cosmos, space, direction, and time and how these concepts compare with Western concepts

5) Demonstrate knowledge of non-instrument navigation

6) Demonstrate knowledge of traditional concepts of wind and weather and non-instrument weather forecasting

7) Demonstrate knowledge of voyaging canoe design and building materials, techniques, and protocols

8) Demonstrate knowledge of provisioning for traditional and modern voyages

9) Demonstrate knowledge of Hawaiian and Polynesian voyaging traditions and voyagers and the cultural perspectives, values, and world views they represent; explain by comparison and contrast these cultural perspectives, values, and world views to those of contemporary Western societies

10) Critically examine and explain oral traditions and modern theories and facts about the discovery and settlement of Hawaii and other Pacific islands

11) Demonstrate knowledge of Pacific geography, weather systems, and oceanic currents and conditions, as related to the discovery and settlement of the Pacific islands

12) Demonstrate knowledge of the significance of voyaging in the revival of native Hawaiian culture and education in modern times

DH.1 uses the terminology of historical, philosophical, language or religious studies; SLOs #1, 2, 3, 7

These SLOs align with DH.1: Students are taught to utilize terminology of historical and cultural studies focusing on Hawaiian navigation and voyaging in the context of Polynesian culture, the discovery and settlement of Polynesia, and the revival of voyaging in modern times.
DH.2 involves texts, artifacts, concepts, processes, theories or issues of concern in these studies; SLOs #4, 5, 6, 7, 8
These SLOs align with DH.2: Students are provided readings from various sources involved with the study and revival of Hawaiian/Polynesian navigation and voyaging. Students are taught the concepts of non-instrument navigation including the cosmos, space, direction, weather and forecasting as well as processes of designing, building and provisioning voyages.

DH.3 demonstrates inquiry that involves the methods of study, reflection, evidence-gathering, and argumentation that are employed in these studies; SLOs #9, 10, 11, 12
These SLOs align with DH.3: Students will compare and contrast cultural perspectives of Hawaiian and Polynesian voyaging traditions to contemporary Western societies. They will examine oral traditions, modern theories and facts about the discovery and settlement of Polynesia as well as understand the geography, weather and oceanic conditions related to that settlement. Students will use the methods of study, reflection and evidence-gathering that are employed by scholars of history and culture.

2. **Assessment strategies.** Explain assessment strategies you have used (or plan to use) to measure the degree to which students exit the course with the course-specific SLOs. If there are multiple sections of the course taught by different instructors, please discuss how assessment is (or will be) carried out across instructors.

Students will meet these SLOs through various in-class and outdoor activities. Class discussion and exams will help to assess all SLOs.

In addition, a written report or project along with non-graded writing assignments, quizzes and practical application of skills introduced in the course will help to assess the following SLOs:

- Demonstrate knowledge of voyaging canoe design and building materials, techniques and protocols
- Demonstrate knowledge of traditional Hawaiian and Polynesian concepts of the cosmos, space, direction and time and how these concepts compare with Western concepts
- Demonstrate knowledge of the voyages of Hokule‘a and other modern Pacific canoes and what has been learned from such voyages about traditional navigation, voyaging and migration routes
- Demonstrate knowledge of non-instrument navigation
- Demonstrate knowledge of traditional concepts of wind and weather and non-instrument weather forecasting
- Demonstrate knowledge of Hawaiian and Polynesian voyaging traditions and voyagers and the cultural perspectives, values, and world views they represent; compare and contrast these cultural perspectives, values and world views to those of contemporary Western societies
- Demonstrate knowledge of Pacific geography, weather systems, and oceanic currents and conditions, as related to the discovery and settlement of the Pacific islands
- Demonstrate knowledge of the significance of voyaging in the revival of Native Hawaiian culture and education in modern times
In their reports and exams students are asked to critically examine, compare and contrast the differences between the methods, tools and practices of non-instrument wayfinding as practiced by the traditional navigators. To further assist the student in achieving these SLOs, the instructor will provide feedback on all graded and non-graded assignments, exams and quizzes.

3. **Assessment of assessment.** How have you used (or plan to use) the assessment findings to modify or improve this course? If there are multiple sections of the course taught by different instructors, please discuss how review of assessment results is (or will be) carried out across instructors.

Student assessment in various exams, quizzes, papers and projects help to determine how to modify and enhance the course to meet the diversification requirements as related to the Humanities. Student evaluations of the course and instructor have also helped to improve delivery and assignments.

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**DIVERSIFICATION BOARD DECISION:**

☑ Approved  
Re-Certification Due: **Fall 2017**

☐ Not approved  
If not approved, reasons for disapproval:

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Diversification Board Chair Signature:  
Date: **10/22/12**
HWST 282 HO‘OKELE II: Hawaiian Navigation, Weather, Canoe Design And Sailing Dynamics
Honolulu Community College Spring 2012
Tue 4:30-7:00, Lab Th 4:30-7:30; METC 002

Kumu: Ka‘iulani Murphy
Office: METC Office 4
Contact: kmurphy@hawaii.edu or 842-9852 during office hours
Office hours: TR 1:30-3:30pm or by appointment

COURSE DESCRIPTION:
This course introduces students to traditional knowledge of Hawaiian voyaging and navigation and to the modern revival of voyaging arts in Hawai‘i and the Pacific. The course places Hawaiian navigation and voyaging in the context of Polynesian and Pacific cultures and the pre-European discovery and settlement of the Pacific islands and its application in the contemporary Pacific. HWST 282 fulfills a DH requirement for the AA degree. HWST 282L is a sailing lab to accompany and reinforce the concepts and get hands-on training in the skills introduced in this course. Labs will meet Thursdays from 4:30-7:30pm.

The Student Learning Outcomes (SLOs) are:
- Recognize and explain the shared elements, conflicts, and affirmations in indigenous traditions of voyaging in Hawaii and the Pacific, from pre-European contact to the revival of voyaging arts in modern times
- Demonstrate knowledge of the voyages of Hokule‘a and other modern Pacific canoes and what has been learned from such voyages about traditional navigation, voyaging, and migration routes
- Demonstrate knowledge of the Pacific-wide cross-cultural exchanges that are taking place in the modern revival of Hawaiian voyaging
- Demonstrate knowledge of traditional Hawaiian and Polynesian concepts of the cosmos, space, direction, and time and how these concepts compare with Western concepts
- Demonstrate knowledge of non-instrument navigation
- Demonstrate knowledge of traditional concepts of wind and weather and non-instrument weather forecasting
- Demonstrate knowledge of voyaging canoe design and building materials, techniques, and protocols
- Demonstrate knowledge of provisioning for traditional and modern voyages
- Demonstrate knowledge of Hawaiian and Polynesian voyaging traditions and voyagers and the cultural perspectives, values, and world views they represent; explain by comparison and contrast these cultural perspectives, values, and world views to those of contemporary Western societies
- Critically examine and explain oral traditions and modern theories and facts about the discovery and settlement of Hawaii and other Pacific islands
- Demonstrate knowledge of Pacific geography, weather systems, and oceanic currents and conditions, as related to the discovery and settlement of the Pacific islands
- Demonstrate knowledge of the significance of voyaging in the revival of native Hawaiian culture and education in modern times
COURSE REQUIREMENTS:

Readings:
Reading assignments will come from the Polynesian Voyaging Society Crew Manual (PVS) and can be found on Laulima (laulima.hawaii.edu). Additional readings will supplement the Crew Manual.

Project or Paper:
Students will be required to do either a project or a paper related to the materials covered in the course. Guidelines will be covered when assigned.

Examinations:
There will be three exams throughout the semester, including the final exam. Exams will be based primarily on your command of the information and terminology introduced in this course.

COURSE EXPECTATIONS:
Attendance and participation will be scored, please be on time and prepared for class. It is your responsibility to get notes if you miss a class. You may only take exams during your regularly scheduled class time, unless you receive prior approval from the instructor. Check your hawaii.edu email accounts for any announcements pertaining to class. Cell phones should not be used in class (calling or texting) and ringers should be off/silent.

Labs: Labs will be held every Thursday from 4:30-7:30pm. Lab grades are based on participation. Students should bring gear appropriate to the task or activity (i.e. drydock requires covered shoes.) We will be working on care and maintenance of Hokule'a and Kamaheheheu (HCC's 46-foot sailing canoe,) and sailing as much as possible. Lab hours can be accumulated outside of scheduled labs if pre-arranged with instructor. Some ocean experience is recommended, and students must demonstrate basic swimming ability.

GRADING:

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<thead>
<tr>
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<th>Points</th>
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<tr>
<td>3 Exams (100 pts each)</td>
<td>300 points</td>
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<tr>
<td>Project/Paper</td>
<td>75 points</td>
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<tr>
<td>Attendance/Participation</td>
<td>25 points</td>
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<tr>
<td>TOTAL</td>
<td>400 points</td>
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Grades:
- A = 360-400
- B = 320-359
- C = 280-319
- D = 240-279
- F = Below 240

Wk 1  AN INTRODUCTION: Survey of course objectives: history of navigation; skills needed to navigate double hulled voyaging canoes; canoe design in Hawai‘i & the Pacific; sailing dynamics; weather & sea conditions in Hawai‘i and the Pacific; sail planning including dead reckoning, steering by stars, and other methods used by traditional navigators. Discussion of continued star & weather observations. Websites for weather and canoes. Grades & weather reports

Wk 2  INTRO TO WEATHER: Students review sources for weather collection & discuss weather patterns for Hawai‘i in comparison with predictions according to Hawaiian lunar nights. Taking a look at tides. Each day to begin with review of Pacific-wide weather. Reading: PVS Manual 1996: 230-251; Bring Hawaiian Moon & DLNR fishing calendars to class. WEATHER & CANOE PROTOCOL: continue weather and talk about protocol appropriate to the wa‘a in various situations, in Hawai‘i and in Polynesia. Reading: PVS Manual 1996: 346-351


Wk 6 MIDTERM EXAM 1 on all material from Weeks 1-5.


Wk 9 REVIEW HAWAIIAN GEOGRAPHY: Significant geographic factors that affect Hawai‘i weather, including heights of mountains, and width of channels. Names of Hawaiian seas. Reviewing the islands & reefs beyond Ni‘ihau. Focus on O‘ahu. Reading: Handout from Haraguchi
HAWAIIAN PERCEPTIONS OF WEATHER: In depth look at specific Hawaiian clouds, winds, rains and ocean currents for each of the islands. Learn how high and low pressure systems affect Hawai‘i, land & sea breezes, cloud recognition, and predicting weather. Reading: PVS 1996: 197-229.

SAIL PLANNING 1: HAWAIIAN ISLANDS: Students learn mathematical formula and various factors used in sail planning Reading: Handout on formula; Balder 1995: 1-40.


Wk 13 MIDTERM EXAM 2 on all material from classes 7-12.


Wk 17 FINAL EXAM

Learning Resources:


Lewis, David. 1994. We, the Navigators: the Ancient Art of Landfinding in the Pacific. Honolulu: University of Hawai'i Press.

*Student ACCESS is committed to assuring equal access to Honolulu Community College facilities, programs, activities, and services by students with disabilities. Its goals are to provide reasonable accommodations to qualified students, to promote an informed and hospitable learning community, and to advocate for campus-wide ADA/Section 504 compliance. Please contact Wayne Sunahara at (808) 845-9272 for more information.