Request to the Master Planning and Space Allocation Committee
To Replace Hale Uluwehi with Building P

1) Name of the individual or group that is requesting the space

   David Krupp

2) Contact Person’s name, email, and telephone number

   David Krupp, krupp@hawaii.edu, 236-9121

3) Type of space that is needed

   Area where Hale Uluwehi (and makai) currently exists.

4) Building or space in question

   Hale Uluwehi.

5) How the space is currently being used

   Facilities (office space, restroom and storage) support for Agriculture.

6) Desired start date (and end date, if applicable)

   As soon as possible when funds and permitting allows.

7) Description of how the space will be used

   Classroom and laboratory support for Agriculture, Aquaculture, and other Biological Science classes. Facility will also house a recirculating seawater system and research laboratory for marine life maintenance and containment by the Hawai‘i Institute of Marine Biology. Thus this building would be shared between Windward Community College and the Hawai‘i Institute of Marine Biology.

8) Description of how it may contribute to the learning environment and interests of WCC students

   • Hale Uluwehi provides only for a faculty office, restroom, and equipment storage. The AG APT uses a desk in the equipment storage area as his office. There are no constructed instructional facilities (classroom or laboratory) in Hale Uluwehi. Consequently, Agriculture instruction currently takes place outdoors (often at night) in the agricultural shadehouse in an area poorly designed for classroom instruction (it's been this way for 15 years!). In addition, there are currently no classroom laboratories for Agriculture classes. The new facility (Building P) would provide a classroom and instructional laboratory for Agriculture classes.

   • We have recently started teaching the AQUA 106/106L (Small Scale Aquaculture) AQUA 201/201L (The Hawaiian Fishpond) and need a facility for continued instruction. Building P would be this facility. The WCC Master Plan clearly intended that our aquaculture program to be established near Hale Uluwehi and supported by Building P.
• **Use of these facilities for instruction would support implementing a sustainability curriculum involving biotechnology, freshwater aquaculture, mariculture, and aquaponics.**

• **The growth of WCC’s Natural Science programs especially in Anatomy & Physiology, Veterinary Assisting and Biotechnology have put pressure on available classroom laboratory space. Since continued growth is anticipated, we need to build additional classroom and instructional laboratory space. The 1992 iteration of Building P’s specifications included two classrooms (one for Agriculture) and two instructional laboratories (one for Agriculture).**

• **While the re-circulating seawater system intended for Building P would be used by the Hawai‘i Institute of Marine Biology for research applications in marine organism disease (especially diseases of coral), the facility would also be available for WCC use.**

• **Collaboration with the Hawai‘i Institute in Marine Biology will provide experiential education opportunities in aquaculture, mariculture and marine biology to Windward Community College students and will enhance our STEM programs.**

9) **Other alternatives that were considered and why those alternatives don't seem to work**

   **Would entertain other possible sites for this facility. However, the proposed location is preferred for the following reasons.**

   • **The College’s original Master Plan included Building P which was to include an aqua/mariculture facility. Building P also included instructional classrooms and laboratories. This building was to be constructed where Hale Uluwehi exists today. Thus the Master Plan envisioned that this end of our campus would support agriculture and aquaculture education.**

   • **The proposed location is consistent and compatible with other related functions in the area (e.g., science facilities, agriculture shadehouse, and the Bioprocessing Medicinal Garden Complex).**

10) **What other resources may be needed**

   **Actual implementation of this request is contingent upon identifying an extramural funding source for the construction of Building P. At present, we are only asking that this request be approved so that we may move forward on soliciting these extramural funds.**

   **Hale Uluwehi was a temporary structure constructed using funds from the State Hospital. At the time of its construction, Provost Peter Dyer promised that this temporary structure would be replaced Building P as intended by the College’s Master Plan. This never happened, in part, because other buildings received a higher priority, but also because no funds were available for the construction of Building P.**

   **We may now have an opportunity to secure substantial funds by partnering with the Hawai‘i Institute of Marine Biology to construct an aquatic containment facility. Such a facility is needed to study diseases in aquatic organisms, especially coral and marine fishes. There is also a need to study disease in freshwater cultured species.**
11) How the proposal supports or is supported by the Master Plan, the Mission of the College, and the UHCC Strategic Plan

- As stated above, the College’s Master Plan originally intended for the College to construct Building P where Hale Uluwehi stands today. Hale Uluwehi was always meant to be a temporary facility eventually to be replaced by Building P in WCC’s Master Plan.

Consistent with the WCC Strategic Action Outcomes (November 2008), the aquaculture facility would be expected to enhance the College’s instructional program and boost enrollment.

The WCC Strategic Plan Action Outcomes (Nov 2008) specifies the following:

- IV. Planning Context  D. Planning Assumptions External 2: “There will be an increase in the number of students enrolling at WCC due to the publicity of the college’s offerings, the quality educational experience offered, ...”
- IV. Planning Context  D. Planning Assumptions External 2: “New students will be attracted to the College due to improved facilities, such as ... the science building, ...”
- IV. Planning Context  D. Planning Assumptions Internal: “WCC will be a leader in ... the sciences.
- WCC Action Outcomes 4.1 states: “Contribute to the development of a high-skilled, high-wage workforce ... that leads to employment in emerging fields (...life sciences, ... ocean and marine science, earth and space sciences, ... diversified agriculture, ...)”
- WCC Action Outcomes 4.5 states: “Promote the knowledge, skills, and opportunities that support current and emerging STEM fields and careers by increasing credit and noncredit STEM course enrollments ...”
- WCC Action Outcomes 4.8 states: “Increase the number of degrees and certificates awarded in Science, Technology, Engineering, and Math (STEM) fields. (includes both credit and noncredit) by 3% per year.”
- WCC Action Outcomes 5.4 states: “Renovate, repair, and maintain all College facilities to meet or surpass established standards for ... energy-efficient climate control and lighting, functionality ...”

Finally, it should be noted that a proposal to move and enhance the WCC aquaculture facilities has been posted on the New Initiatives Forum since October 2009. This proposal also alludes to the possibility of constructing Building P to support this expanded facility. The only expressed concern related to whether or not the proposal fit into the College’s Master Plan. Clearly this request is not only consistent with this Master Plan, but its implementation helps to bring us nearer to completing the Master Plan. Please visit the following website to view supporting documents: