

**Hawai'i Community College
NURSING & ALLIED HEALTH
PROGRAM REVIEW REPORT
November 13, 2006/Revised January 23, 2007
Assessment Period: July 1, 2003 to June 30, 2006**

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Program/Unit Review at Hawai'i Community College is a shared governance responsibility related to strategic planning and quality assurance. It is an important planning tool for the college budget process. Achievement of Student Learning Outcomes is embedded in this ongoing systematic assessment. Reviewed by a college-wide process, the Program/Unit Reviews are available to the college and community at large to enhance communication and public accountability.

**HAWAI‘I COMMUNITY COLLEGE
DIVISION OF NURSING AND ALLIED HEALTH
PROGRAM REVIEW REPORT**

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PART I. Report Summary

The mission of the Associate of Science in Nursing program is to provide a continuous and adequate supply of registered nurses for employment in the health care delivery system of Hawai‘i County, the State of Hawai‘i, the Pacific Basin, and the nation.

The Associate of Science in Nursing Program was approved by the Board of Regents in December 1971. After planning and curriculum development the program was implemented and activated in Fall 1974 with 24 students and two instructors. As the first class progressed to the second year of the program, two instructors were added in the Fall of 1975. A Director of Nursing Programs was hired in January, 1977. The program was surveyed and granted approval by the Hawai‘i Board of Nursing in 1977. Reports are submitted to the Board of Nursing annually and the Program has maintained continuous approval since the initial survey in 1977.

The faculty made a decision to seek further accreditation by the National League for Nursing. In December 1997 a self-study was completed and a report submitted to the National League for Nursing Accrediting Commission (NLNAC). After a site visit by NLNAC in February 1998, the Associate of Science Program in Nursing was accredited for an initial five year period which was the maximum allowed for first time accreditation. A subsequent self-study and site visit by NLNAC in February, 2003 resulted in an eight year accreditation with no revisit or interim report. Again, the Program received the maximum accreditation allowed.

In fall 1992 an outreach cohort class was admitted into the Associate of Science in Nursing Program. The cohort was based in Kona at the University of Hawai‘i - West Hawai‘i University Center. Cohort classes graduated in 1994, 1996, 2003, and 2005. Students complete prerequisite courses on site, either in Hilo or Kona, and take nursing classes together via Hawai‘i Interactive TV (HITS), WebCT. Clinical instruction and seminars are conducted in person.

For the period of review, 20 students were admitted into the Hilo program each fall and 10 students were admitted into the Kona cohort in fall 2003 and fall 2005.

The Associate Degree in Nursing Program was given the “State Board of Vocational Education Award for Outstanding Post Secondary Vocational Education Program” in 1998.

PART II. Program

The Division of Nursing and Allied Health Associate of Science in Nursing Program grants only one credential: Associate of Science in Nursing. It should be noted that graduates of the Program are eligible to sit for the national licensing exam (NCLEX-RN) in order to become registered nurses.

Program Goals

1. Continue to maintain NLNAC accreditation by providing a quality nursing education that prepares graduates with the knowledge and skills needed to function effectively in the present and future health care delivery system.
2. Increase the number of prepared nurses to meet changing health needs of the island by doubling the number of graduates by 2012.
3. Increase the efficiency of education for nurses and the preparation for practice by: a) increasing classroom space including dedicated distance education facilities in Hilo and Kona; b) recruiting and retaining experienced faculty; c) increasing space and the capacity to offer clinical simulations involving high tech mannequins in the Nursing Learning Resource Centers (NLRCs) in Hilo and Kona.
4. Continue to explore the feasibility of offering a common curriculum with UH Statewide Nursing Consortium colleagues in order to foster a seamless transition for RN to BSN.

Program Entry Requirements

The Associate of Science Degree (AS) in Nursing Program requires 27 credits of non-nursing prerequisite courses. The 27 credits must be completed with a grade of “C” or better. A minimum cumulative grade point average (GPA) of 2.0 must be achieved by the end of spring semester prior to program entry. Evidence of math proficiency is required and demonstrated by completion of Math 25X or Math 26 or COMPASS placement into Math 27.

In addition to Math, the following courses are pre-requisites for admission into the AS Degree in Nursing.

Biology 141 - Human Anatomy & Physiology I
Biology 141 L - Human Anatomy & Physiology Lab I
Psychology 100 - Survey of Psychology
English 100 - Expository Writing
Speech Communication 151 - Introduction to Speech & Communication
Biology 142 - Human Anatomy & Physiology II
Biology 142L - Human Anatomy & Physiology Lab II
Microbiology 130 - Microbiology
Microbiology 130L - Microbiology Lab
Family Resources 230 - Human Development
Pharmacology 203 - General Pharmacology

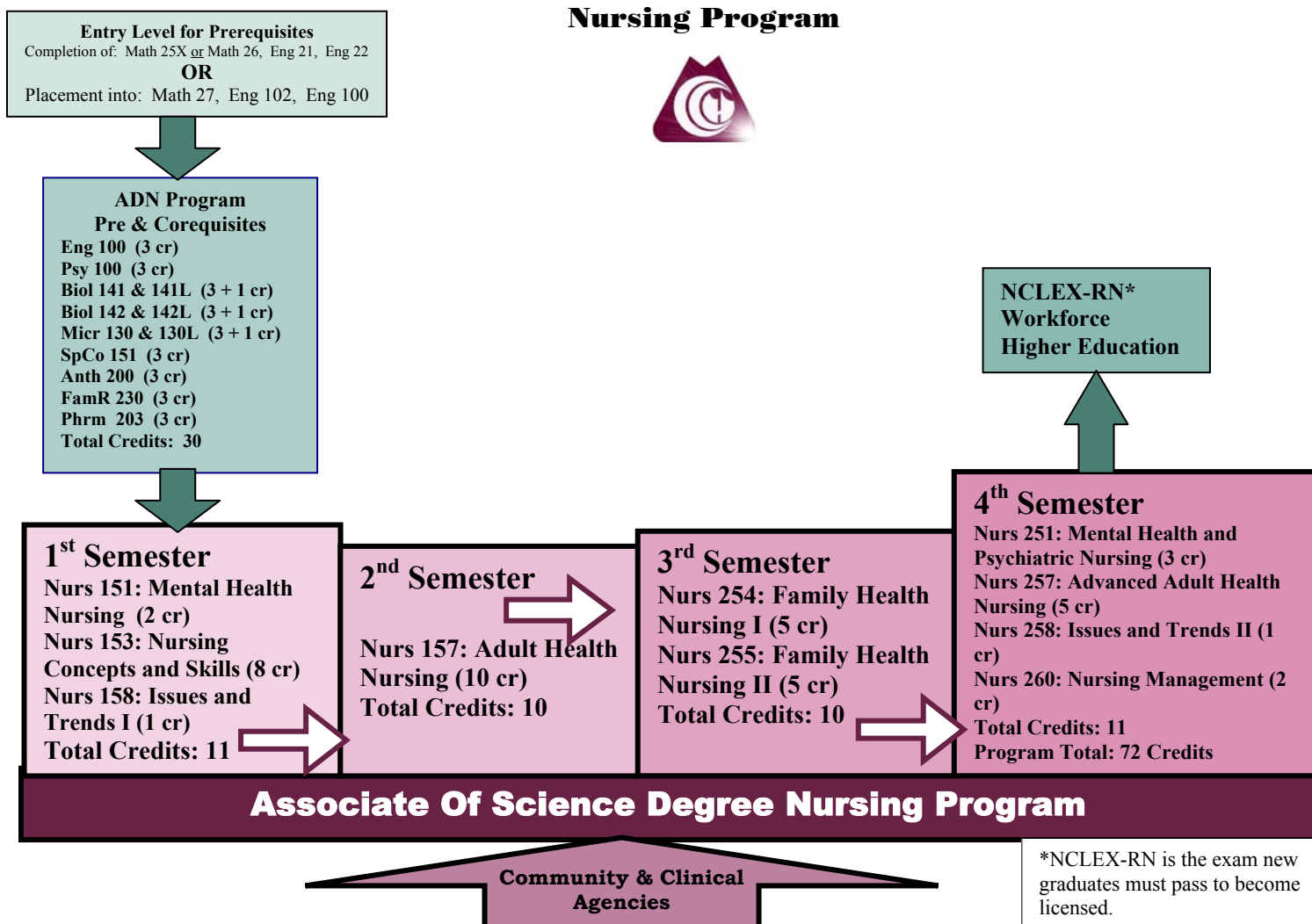
Anthropology 200, Cultural Anthropology, is also required to be taken before the end of the program and may be taken as a co-requisite course though many students complete it prior to entry into the program.

Students are admitted into the AS Degree program once each year and start the program in the Fall Semester. In order to apply to the program applicants must send a letter to the Director of the Hawai'i Community College Nursing Programs indicating their intent to apply to the AS Program. The letter must be postmarked by March 1 for fall admission in the same year. The applicant must arrange to take the National League for Nursing Pre-Admission Examination RN which is administered once each year in January or February in Hilo and Kona. Preregistration for the exam is required.

Applicants are selected for admission to the AS in Nursing Program using a point system based on grades earned by March 1 in the required nursing support courses and AD percentile scores on the National League for Nursing Pre-Admission Exam RN.

Applicants must also meet health requirements for the Division and satisfactorily complete health care facility background checks and drug testing requirements in accordance with procedures and timeliness as prescribed by the affiliated health care facility.

Hawai'i Community College Associate of Science Degree Nursing Program



Faculty and Staff

Elizabeth Ojala, R.N., Ph.D. -- Director of Nursing Programs and Chair of the Division of Nursing and Allied Health
Joyce Hamasaki, R.N., M.S.N
Kathleen Kotecki, R.N., M.S.N
Julie Moore, R.N., M.P.H, M.S.N
Sharon Moran, R.N.,M.P.H, M.S.N
Petrie Pieron, R.N.,M.P.H, M.S.N
Jane Sherwood, R.N.,M.B.A, M.S.N
Luane Ishii, Secretary II

Facilities and Equipment

The Division of Nursing and Allied Health is located on the UHH campus in three portable buildings arranged in a horseshoe design. One arm of the horseshoe houses the Nursing Learning Resource Center (NLRC). The NLRC has an area of 1070 square feet and houses six lab units (beds) where hospital situations may be simulated. Each unit consists of a bed, an over-bed table, a bedside table and a privacy curtain. Three of the beds are manually operated and three are electric. Major equipment located in the NLRC include six tables with 20 chairs, two sinks, storage cabinets, one medication cart, an upright scale, linen and linen storage shelves. Multiple simulation models, mannequins and other equipment are located in the lab or in the NLRC storage closet. The NLRC is air conditioned. The NLRC also houses seven computers with CD ROM and internet access. One of these computers is located in the front of the NLRC for use with a projector. There is a large screen TV with VCR and DVD player and a video library. Six of the computers are located in a dedicated alcove of the NLRC for student use.

There are two nursing classrooms in a second arm of the horseshoe. Classroom one (PB 5-#1) is equipped for video conferencing. It has tables and chairs for 30 students as well as blackboards, a TV, video player, DVD player, ELMO and internet access. Classroom 2 seats 20 and has a TV, blackboards, DVD player, ELMO and internet access. Both classrooms are air conditioned. A third classroom has been converted into three faculty offices. The third building of the complex houses the Division offices and remaining 6 faculty offices. All faculty offices have computers with internet access, desks, chairs, bookshelves, filing cabinets and air conditioning.

All nursing classes are offered over HITS which are held in the HITS dedicated classrooms in the library at UHH and the HITS classrooms in Kona.

The Division office consists of three areas. The Division Chair's office is separated from the main work area and contains a desk and two work tables, a computer with internet access, a printer and chairs. The main area houses the Division Secretary and contains two computers, a printer, desks, file cabinets, and shelves. A mail room/storage area is adjacent to the entry. A third room contains a color printer, copier and fax machine.

In addition to the Hilo facilities there is a dedicated NLRC at the UH Center at West Hawai'i in Kealahou which functions as both NLRC and classroom. This room, located in a former garage under the library, is 1000 sq. feet and contains two lab units for student practice, three computers, tables and chairs to seat 10, DVD player, ELMO, and TV. The Kona faculty member has an office, separate from the classroom, with a desk, computer, work table and book shelf. The HITS room assigned to the nursing classes is 450 sq. feet.

Program Articulation Agreements

While the Associate of Science Degree in Nursing prepares a student for licensure and work as a registered nurse, many of the graduates choose to pursue a bachelor's degree as well. Hawai'i Community College has articulation agreements with the University of Hawai'i at Hilo and the University of Hawai'i at Manoa, both of which have baccalaureate in nursing programs. Graduates of the Division of Nursing and Allied Health at Hawai'i Community College may apply to either campus to complete a baccalaureate degree after completing the remaining prerequisite courses required by the individual BSN programs. All the nursing programs in the University of Hawai'i System are working as a consortium to increase the number of students going on to achieve a BSN.

Advisory Board

The Advisory Council of the Division of Nursing and Allied Health consists of 9 members. All nursing faculty attend Council meetings. The Advisory Council met April of 2004 and October 12, 2006. Typically the Advisory Council meets once an academic year.

Distance Education

HITS - Fall 2003 - 151, 153; Spring 2004 - 157; Fall 2004 - 254, 255; Spring 2005 - 251, 257, 258, 260. Fall 2005 - 151, 153, 158; Spring 2006 - 157.
WebCT - Fall 2003 - 151, 153, 158; Spring 2004 - 157; Fall 2004 - 254, 255, 264; Spring 2005 - 257, 258, 260. Fall 2005 - 151, 153, 158; Spring 2006 - 157. NURS 264 was offered system-wide.

Off campus locations include the University of Hawai'i West Hawai'i University Center in Kona and the system-wide offering of Nurs 264.

Almost all nursing courses are hybrid using HITS, WebCT and in person classroom time. Nurs 158 and 258 have been offered as online courses.

Part III. Quantitative Trend Data Table

QUANTITATIVE TREND DATA TABLE (as of 10-25-06)

	Fall 2003	Spring 2004	AY	Fall 2004	Spring 2005	AY	Fall 2005	Spring 2006	AY
#1 Number of Unduplicated Majors	258	208	270	287	228	298	287	259	334
#2 Total Student Semester Hours	2050	1702	3752	2385	1722	4107	2122	1878	4000
#3 FTE Student Majors	137	113	125	159	115	137	141	125	133
#4 Number of Graduates	-	-	23	-	-	22	-	-	14
#5 Number of Classes	6	6	12	7	6	13	6	7	13
#6 Avg Class size	26	24	25	21	23	22	24	16	20
#7 Avg Class fit	112.9%	96.0%	104.4%	94.7%	90.6%	92.8%	111.1%	84.8%	96.9%
#8 FTE of BOR Appointed Program Faculty	-	-	6	-	-	6	-	-	6
#9 Number of FTE Faculty based on contact hours (FTE= 20 contact hrs/wk)	-	-	12.0*	-	-	12.6*	-	-	11.9*
#10 Student Semester hours for all PPC class enrollments	528	565	1093	499	480	979	437	460	897
#11 Student-Faculty Ratio	-	-	16.28	-	-	13.99	-	-	12.81
#12 PPC Credits Earned Ratio	.92	.98	.95	.91	.99	.95	.87	.92	.89
#13 Non-PPC Credits Earned Ratio	.83	.91	.87	.86	.85	.85	.69	.71	.70
#14 PPC Avg GPA	2.98	2.91	2.95	2.96	2.66	2.81	2.98	2.61	2.79
#15 Non-PPC Avg GPA	2.68	2.63	2.65	2.64	2.68	2.66	2.54	2.70	2.62
#16 Budget			\$12106.83			\$5863.53			\$10040.03
#17 College Cost per SSH			\$81.77			\$79.01			\$81.29
#18 Grant Cost per SSH			\$0			\$0			\$0

* -- Data provided by Program

Part IV. Quantitative Data Analysis

#1, 2, 3 -The number of majors includes students enrolled in prerequisite courses as well as those enrolled in the nursing courses. The data indicates that there is great demand for the program.

Headcount, student semester hours and FTE majors has been steady or increased from 2003-2006.

#4-Students graduate from the A.S. Nursing Program each May. Students are admitted every other year in Kona and every year in Hilo and graduate two years later. There were 23 Hilo graduates in 2004. There were 16 Hilo graduates and 6 Kona graduates in 2005 for a total of 22. There were 14 Hilo graduates in 2006.

#5-The base number of classes with a NURS alpha is 12 for the year. The 13th class for year 04-05 was a nursing elective in emergency/trauma nursing offered via distance education to practicing nurses as well as nursing students. The 13th class for year 05-06 was an independent study offered to students in the nursing program.

#6-The number of students per class is usually less in the spring semester due to attrition. However, students can repeat a nursing class not successfully completed the first time. Therefore, students may be added to the class in either semester. The class graduating in 2004 had greater than usual retention, accounting for the increased class size in 2003-2004.

#7- The average class fit is very high. Students returning to repeat classes and taking extra students in classes such as Pharmacology and Medical Terminology increases the class fit to over 100 %.

#8- BOR FTE faculty has remained stable, at six over the time period of the review.

#9-Nursing faculty workload is based on contact hours, not credits. Therefore, the number of FTE faculty based on Contact Hours was calculated by taking the contact hours for faculty and lecturers, summing them for the semester and dividing them by the recognized contact hour FTE of 20. The increase in 04-05 and decrease in 05-06 is a reflection of the number of hours for which the Nursing Learning Resource Instructor in Hilo was hired.

#10-Student semester hours do not reflect the fact that for each credit designated as “lab”, students and faculty have 3 hours of face to face contact. PPC paid classes include classes that are not required for the A.S. degree as well as all required classes. The decrease in SSHs is likely an indication of the decrease in size of the nursing class from 2003-2005.

#11- Twenty students are admitted in Hilo every year. Ten students are admitted in Kona every other year. The faculty student ratio for clinical/lab credits is 1:10. The ratio for lecture classes is much higher.

#12-The PPC ratio is high across the years indicating that in spite of attrition, most nursing students and pre nursing students successfully complete the PPC courses.

#13 & 15-The Non PPC Credits Earned Ratio and Avg GPA is lower than those numbers for the PPC courses which is a reflection of the wider diversity of students enrolled in pre nursing courses.

#14-The PPC Avg GPA is relatively high with the spring being lower than the fall due Pharmacology, a difficult course, being included in the spring.

#16- The budget data reveals the budget for 2004-2005 was 48% of the budget for the previous year. This was due to the fact that the Division was not allowed to spend all the B budget funds allocated for that year. The unspent funds were reallocated to help fund the College budget deficit.

#17-College Cost per SSH was about the same of the period of the review. We are not aware of any numbers that could be used for comparison nor of the process used to arrive at this figure.

Part V. Other Data

Student Satisfaction Survey Results: Every Summer graduates from the previous year are mailed a paper and pencil Graduate Survey. Data is available for three graduating classes for the period covered by this program review. The 2006 graduates have not yet been surveyed. The survey asked the respondents to provide data about their employment and plans for further education. It also asked them to identify how important various parts of the curriculum were in preparing them for their first nursing job. The 2004 and 2005 surveys also asked them for their overall level of satisfaction with the education received in the program. This question was inadvertently omitted from the 2006 survey. The majority of the survey respondents from the 2003, 2004 and 2005 nursing classes indicated that the curriculum was “very helpful” in preparing them for their first nursing job. Eighty per cent of the class of 2003 respondents and over 90% of the class of 2004 respondents indicated they were “very satisfied” with the level of education received in the program. None of the respondents indicated they were not satisfied with the program. Written comments included in the surveys supported the idea that graduates feel satisfied with the level of education they received in the nursing program.

Employment Data: Data regarding employment is obtained via the Graduate Survey as well as through actual contact with the graduates. The majority of the graduates stay on the island and those who relocate to other islands or the mainland generally stay in touch with the nursing faculty. Employment rates for the graduates covered by the period of program review (as reported in Program Health Indicator Reports) were: 77.3% for the class of 2003, 83% for the class of 2004, and 94% for the class of 2005. Adequate information about the class of 2006 is not available. One thing is very clear graduates from the nursing program play a very important part in staffing the health care facilities of the island of Hawaii. In addition, it is now common knowledge that there is now and will continue to be a large shortage of registered nurses across the nation in the foreseeable future.

Post graduation and prior to being employed, graduates of the nursing program must take the National Council Licensure Exam for Registered Nursing (NCLEX RN). Pass Rates for the classes of 2003-2005 are: Class of 2003 90.9%; Class of 2004 82.6%; Class of 2005 100%. The pass rate for the Class of 2006 is not available at this time.

Part VI. Program SLO's

Program Student Learning Outcomes

1. The graduate will plan and deliver safe, effective nursing care in a variety of settings to individuals and families in all stages of life.
2. The graduate's practice of nursing will include promotion, maintenance and restoration of health, management of chronic conditions and palliative care.
3. The graduate will deliver culturally sensitive nursing care that takes into consideration the cultural values and health beliefs and healing practices of individuals, families and communities.

4. The graduate will practice relationship centered nursing care that is based on mutuality, caring and respect for the client.
5. The graduate will function in a collaborative manner as a member of a multi-disciplinary health care team to provide cost-effective comprehensive care.
6. The graduate will use technology to obtain and manage health information, monitor clients' health status and deliver nursing care.
7. The graduate will plan and deliver effective health education.
8. The graduate will practice within the legal and ethical framework of registered professional nursing.
9. The graduate will assume responsibility for ongoing professional growth and life-long learning.

The Associate of Science in Nursing curriculum is coordinated and leveled so that students gain skills and practice through the two years of the program. The ultimate evaluation for graduates of the program is the National Council of State Boards Licensing Exam which is required for licensure in the State of Hawai'i. During the last semester of the program students are expected to be able to plan and provide care for four clients in an acute care setting. Such care is delivered in a "primary care" model where the student plans and provides all care for the four clients without the assistance of a nurse's aide or LPN. The instructor is available for consultation. In addition, students in the last semester are expected to be able to work as a group to plan a seminar related to the management of nursing care for a group of clients. These two courses, NURS 257 and NURS 260, are considered "capstone" courses.

The faculty of the Division of Nursing and Allied Health collaborated to write the graduate outcomes and the Program SLO's. Performance expectations were discussed and each course and semester was examined for the content that prepared students for the final semester and graduation. During this process it was noted that group assignments were given without adequate instruction on effective group functioning. Faculty are now working to develop an assessment tool which will be used across the program curriculum to evaluate group work.

Part VII. Course SLO's

There are ten courses in the A.S. Program in Nursing. NURS 264 is an elective course offered to meet community needs for training nurses to work in emergency rooms or intensive care units. Of these ten courses, three have completed SLO's and one more is close to completion. It should be noted that all courses in the Associate of Science in Nursing program have course objectives and unit objectives. These objectives are the base for developing SLO's and all courses have SLO's in draft form.

Course SLO's are building blocks for the program SLO's. Evaluation of course SLO's is shown in the following grid. Because the Associate of Science in Nursing Program is integrated and leveled, the evaluation of course SLO's contributes to the evaluation of the program SLO's as indicated in the final column of the following grid.

Course #	151	153	158	157	254	255	251	257	258	260	Program SLO
Exam	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Nursing Care Plan		Y		Y	Y	Y	Y	Y			Y
Self evaluation	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
Paper	Y					Y		Y	Y		Y
Oral presentation	Y			Y		Y				Y	Y
Clinical evaluation tool / process		Y		Y	Y	Y	Y	Y			Y
Post conference after clinical labs		Y		Y	Y	Y	Y	Y			Y
Health Assessment paper		Y		Y	Y	Y					Y
Process recording	Y						Y				Y
Group project	Y		Y			Y				Y	Y
Clinical competency exam		Y		Y	Y	Y	Y	Y			Y
Skills competency exam		Y									Y

The Division of Nursing and Allied Health has a dedicated Curriculum Committee to meet the requirements of NLNAC. The evaluation of course SLO's is being discussed within the context of the discipline specific requirements for practice as registered nurses. That evaluation focuses on helping all students use the nursing process to gather and analyze data from clients, develop a nursing care plan which addresses client needs and goals, determine nursing interventions which

help the client achieve health goals, and evaluate the nursing care given. By the end of the program students have the skills and knowledge to function as beginning registered nurses. The SLO's have been used to review course assignments and their relationship to course objectives. Where the relationship was not clear, course SLO's have been revised to clearly reflect the expectations and outcomes.

Part VIII. Program Summary

The mission of the Division of Nursing and Allied Health is closely aligned with the missions of the UH Community Colleges and Hawai'i Community College. The UH Community Colleges have as their special mission: Access; Learning and Teaching; Work Force Development; Personal Development; Community Development; and Diversity. The Hawaii Community College Mission is to provide the community with a responsive educational environment, which empowers learners to develop skills and knowledge to be responsible and productive in a complex world. The mission of the Associate of Science in Nursing program is to provide a continuous and adequate supply of registered nurses for employment in the health care delivery system of Hawai'i County, the State of Hawai'i, the Pacific Basin, and the nation. This involves empowering learners to develop skills and knowledge that allow them to become productive members of the workplaces of the community. The evaluation of the program and course SLO's for the Associate of Science in Nursing Program shows that there is congruence in the missions as indicated above. In light of the newly approved mission and imperatives of Hawaii Community College, the program will revisit its own mission relative to the College.

The alignment of the program's outcomes with the outcomes and strategies described in the Hawaii Community College Academic Development Plan 2002-2010, is difficult. In line with the broad goals of the ADP, the program is dedicated to promoting learning and teaching for success and promoting workforce development. As a member of the UH Statewide Nursing Education Consortium nursing faculty are actively involved in promoting a seamless state system. All Program Faculty have been involved in training to develop student-centered/learning centered educational environments. The majority of the outcomes and strategies are focused on non-instructional and college wide outcomes, not outcomes that would be addressed by a particular instructional program. In addition, the outcomes do not reflect the crucial need for growth in the AS nursing program.

In relation to the mission of the college to provide a workforce for the island and state, the nursing program is collaborating with the other UH nursing programs to address the critical nursing shortage and plan for the future. In 2004 the nursing leaders and faculties of the University of Hawai'i system came together to address the nursing shortage. In 2006 the UH Statewide Nursing Consortium (UHSNC) was formed as a result of a commitment to redesign nursing education at UH. The Statewide Nursing Consortium is composed of the University of Hawai'i at Manoa, University of Hawai'i at Hilo, Hawai'i Community College, Kapi'olani Community College, Kaua'i Community College and Maui Community College nursing faculty.

The UHSNC, with assistance from the UH Pacific Business Center Program, drafted a Strategic Business Plan (draft 10/27/06). Strategic initiatives include doubling the number of RN graduates statewide by 2012 and designing a state wide learning outcomes based integrated curriculum culminating in a bachelor's degree with an exit point at the associate degree that integrates innovative teaching strategies and makes efficient and effective use of technology and simulation. Contingencies include: faculty salary adjustments for equity and one system wide salary scale, designated system and campus funding to accomplish the goals, adequate classroom, clinical and simulation laboratory facilities, expanded student services support for advising to accommodate enrollment increases, and timely access to prerequisite courses on cooperating campuses.

The UH Statewide Nursing Consortium, representing the common purposes of the nursing leadership from each campus, gave a presentation on March 20, 2006 to the Council of Chancellors requesting support and funding for the UHSNC and its initiatives.

Top Three Program Strengths

1. Faculty who teach in the Associate of Science of Nursing Program are all tenured and have taught together for over ten years.
2. There is a continuing demand for registered nurses by the community and a concomitant demand for the available student positions in the program.
3. The graduates of the program find jobs in the communities on the Island of Hawai'i and are found on the staff of all the major health care providers of the Island.

Top Three Program Weaknesses

1. The faculty, while dedicated, is moving toward retirement and recruitment of new qualified faculty is difficult.
2. The classrooms, HITS rooms and Nursing Learning Resource Centers in Hilo and Kona are aging, and too small to accommodate necessary increases in enrollment.
3. The program does not have high tech patient simulators nor a dedicated space in which to house them.

Program Goals

1. Continue to maintain NLNAC accreditation by providing a quality nursing education that prepares graduates with the knowledge and skills needed to function effectively in the present and future health care delivery system.
2. Increase the number of prepared nurses to meet changing health needs of the island by doubling the number of graduates by 2012.
3. Increase the efficiency of education for nurses and the preparation for practice by: a) increasing classroom space including dedicated distance education facilities in Hilo and Kona; b) recruiting and retaining experienced faculty; c) increasing space and the capacity to offer clinical simulations involving high tech mannequins, in the Nursing Learning Resource Centers (NLRCs) in Hilo and Kona.
4. Continue to explore the feasibility of offering a common curriculum with UH Statewide Nursing Consortium colleagues in order to foster a seamless transition for RN to BSN.

Program Plans

1. Faculty will continue to maintain a quality nursing program and prepare a NLNAC self-study document during 2009-2010 in anticipation of a site visit in spring 2011.
2. Faculty will continue to work as a cohesive team to retain faculty and develop a faculty succession plan so that new faculty are recruited and mentored before experienced faculty retire. The Division Chair will oversee the recruitment and hiring of increased numbers of faculty to accommodate increased student enrollment.
3. The Division Chair and faculty will work with administration in Hilo and Kona to expand the Nursing Learning Resource Centers and create nursing simulation laboratories (SIM Labs) in Hilo and Kona to accommodate high tech patient simulators that simulate real life experiences.
4. The Division Chair and faculty will work with administration in Hilo and Kona to develop dedicated distance learning classrooms in Hilo and West Hawaii to accommodate increased enrollment, continued island-wide programming, and efficient use of qualified nursing faculty.
5. The faculty will determine the feasibility of participating in a statewide common curriculum leading to a BSN by the end of 2006-2007.

The A.S. Nursing Projections Chart below reflects a conservative plan based on anticipated campus budget requests. However, the UHSNC continues to make separate requests that are significantly higher in hopes that the request will be partially funded. The program projections are a moving target based upon numbers of new faculty positions actually received and availability of other resources.

A.S. NURSING PROGRAM PROJECTIONS
2006-2012

2006-2007	Hilo	Kona	Total
Admissions (1st Yr students)	27	0	27
Graduates (2nd Yr students)	14	8	22
Faculty	6	1	7
NLRC Instructors	1	3 cr	1 + 3 cr
Division Chair	1	0	1
Staff	1	0	1

2007-2008 Biennium Year 1			
Admissions (1st Yr students)	25	10	35
Graduates (2nd Yr students)	26	0	26
Faculty	6	1	7
NLRC Instructors	1	3 cr	1 + 3 cr
Division Chair	1	0	1
Staff	1	0	1

2008-2009 Biennium Year 2 (Supplemental)			
Admissions (1st Yr students)	25	8	33
Graduates (2nd Yr students)	24	9	33
Faculty	6	1+1*	7 or 8*
NLRC Instructors	1	1*	1 or 2 *
Division Chair	1	0	1
Staff	1	1**	1 or 2**

**See Biennium Request*
***See Supplemental Budget*

2009-2010 Biennium Year 1			
Admissions (1st Yr students)	32	16	48
Graduates (2nd Yr students)	24	8	32
Faculty	6+1*	2 + 1*	8 or 10*
NLRC Instructors	1	1	2
Division Chair/Asst. Chair	1	1*	1 or 2*
Staff	1	1	2

** Biennium Request*

2010-2011 Biennium Year 2			
Admissions (1st Yr students)	32	16	48
Graduates (2nd Yr students)	31	15	46
Faculty	7+1*	3+1*	10 or 12
NLRC Instructors	1	1	2
Division Chair/Asst. Chair	1	1	2
Staff	1	1	2

** Biennium Request*

2011-2012 Biennium Year 1			
Admissions (1st Yr students)	32	16	48
Graduates (2nd Yr students)	31	15	46
Faculty	8	4	12
NLRC Instructors	1	1	2
Division Chair/Asst.Chair	1	1	2
Staff	1	1	2

Part IX. Budget Implications

The expansion of the nursing program is hampered by lack of adequate campus and clinical facilities. As more students are admitted, and there is continued competition for clinical usage time with the UHH BSN program, there will need to be more creative and efficient methods for clinical education. Use of high tech patient simulators is a solution that UH nursing educators statewide are moving towards. Although simulations could never replace all clinical experiences with actual patients, use of patient simulators to create clinical scenarios that simulate real life clinical situations is a viable way to teach students prior to, or in addition to, placing them in clinical facilities. The purchase of a Sim Man and Sim Baby, therefore, is requested for Hilo and Kona as well as Sim Labs for each campus (*See Chart 3 – Budget Requests*).

The use of distance education to provide nursing courses between Hilo and Kona is ongoing and is an efficient way to provide island wide nursing education. Currently one classroom in Hilo is equipped for videoconferencing for meetings. Additional equipment is needed to expand it to a video-conferencing classroom (*See Chart 1 – Facilities Assigned to Program*). The nursing facilities in Kona are not set up for video-conferencing. Current HITS rooms and the Nursing Learning Resource Center in Kona are too small to accommodate more than 10 students. Therefore there is a change of plans regarding increasing the number of students admitted in Kona Fall 2007. In order to expand the manner in which distance education is used between the two sites, a dedicated space is requested in Kona for the creation of a dedicated video conferencing classroom (*See Chart 3 –Budget Request*).

As the program continues to grow, there will need to be more clerical and NLRC support along with increased faculty positions see AS Nursing Program Projections 2006-2011. The program is requesting that a Clerk-Typist II in Kona be included in the 2008-2009 Supplemental Budget Request (*See Chart 3 – Budget Request*). Currently in Kona there is no clerical support. Requests for additional faculty positions have been included in the current 2007-2009 Biennium Budget and include a full time NLRC instructor in Kona to replace the part time lecturer. Faculty requests are based on the idea that one faculty is needed for every 8 students. The 1:8 ratio is based on recommendations of the Board of Nursing. Future requests through 2011-2012 are displayed in the AS Nursing Program Projections and include an assistant division chair in Kona in 2009-2010.

Requests for repair and renovation of the nursing complex in Hilo are displayed in Chart 1. In addition, much of the equipment currently in use is in need of replacement and upgrading. Currently, there is also a great need for an upgraded, reliable replacement of the Division copier (See Chart 2 – Inventory List: Equipment and Controlled Property).

CHART 1. FACILITIES ASSIGNED TO PROGRAM

List Bldg/Rm/Lab/Shop	Describe Renovation/Repair Needed	Estimated Cost
PB5/Rms 1, 2, 3 PB6/Rm 7/Nursing Lab PB7/Rms 103, 105, 106, 109, 110, 113, 114	Refurbish class/office & retrofit AC Units <i>(Includes upgrading AC to external units, electrical upgrades in classrooms, changing 20+ year old carpets to vinyl flooring.)</i>	Design: \$39,375.00 Construction: \$262,500.00 <i>(Estimated cost from VCAA)</i>
PB5, Rm 1	Upgrade classroom to video conferencing classroom	\$1500.00 <i>(Estimated cost from Media Specialist)</i>

CHART 2. INVENTORY LIST: EQUIPMENT and CONTROLLED PROPERTY

Program Assigned Equipment (E) and Controlled Property (CP) (List in order of chronological depreciation date)	Category: E =item value > than \$5K CP =item value \$1K - \$5K	Expected Depreciation Date	Estimated Replacement Cost
Beds, hospital (6 each) No longer on inventory	no inventory value	????	6 new hospital beds: \$2,000-\$3,000 each
Canon Copier 4050 SN 599RV	E = \$6884	6/1/2001 <i>(purchased 6/1/96 + 5 yrs)</i>	Digital copier w/ networking capabilities: \$12,500
Computer, laptop SN 487SP	CP = \$2418	3/1/2002 <i>(purchased 3/1/99 + 3 yrs)</i>	Dell XPS M2010 laptop: \$3500

HP Printer, Laser Jet 5M SN 434SE	CP = \$1649	8/1/2003 (purchased 8/1/97 + 6 yrs)	see copier estimate
HP Printer, Laser Jet 4500N, SN 848SQ	CP = \$2827	6/1/2005 (purchased 6/1/99 + 6 yrs)	\$1000
Computer, Dell laptop SN 116408	CP = \$2033	8/4/07 (purchased 8/4/04 + 3 yrs)	Dell Inspiron: \$1000
Projector, Epson SN 002TA	CP = \$4265	10/6/2009 (purchased 10/6/99 + 10 yrs)	\$4000
Mannequins, adult multi- sound (2 each) SN 122537 & 123279	CP = \$1972 & \$2126	10/5/2015 & 12/9/2015 (purchased 10/5/05 & 12/9/05 + 10 yrs)	Upgrade of mannequins, to Sim-man and Sim- child @ \$40,000 each x 4=\$160,000 (includes Kona)
Projectors, Boxlight 2000 Lumen (2 each) SN 124340 & 134341	CP = \$1041 ea	2/28/2016 (purchased 2/28/06 + 10 yrs)	\$2000 each

CHART 3. BUDGET REQUESTS

Supplemental Budget 2008 – 2009

Describe Item	X Amount Line Item
Clerk-typist II	\$23,736.00 (From current OHR Salary Schedule for SR08, step A.)
Dedicated distance classroom in Kona	\$27,244.00 This does not include space rental. (Estimate cost is from UHSNC Strategic Business Plan.)
Sim Labs in Hilo and Kona	Bldg - \$212,500. each site Equip - \$100,000. each site (includes Sim Man & Sim Child) \$312,500.00 each location TOTAL: \$625,000.00 (includes Kona) (Estimate cost is from UHSNC Strategic Business Plan.)