



PROGRAM APPROVAL FORM

OCT 22 2008

Trades and Professional Services

SCHOOL

Allied Health

DEPARTMENT

Certificate in Pre-Nursing

COURSE ALPHA, NUMBER, TITLE

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AUTHOR

June 1, 2008

DATE SUBMITTED

Check the action to be taken and have the indicated people sign.

☒ Program Adoption - all signatories

☐ Program Substantive Revision - all signatories except President

APPROVED BY	PRINT	SIGNATURE	DATE
AUTHOR	Lois Gage	<i>Lois Gage</i>	6/24/08
DEPARTMENT CHAIR	Lois Gage	<i>Lois Gage</i>	6/24/08
REGISTRAR	Patrick Clymer	<i>Patrick Clymer</i>	6/27/08
DEAN	Reilly Ridgell	<i>Reilly Ridgell</i>	6/30/08
ACADEMIC AFFAIRS CHAIR	Anthony C. Saunilicola Marsha Postrozny	<i>Anthony C. Saunilicola</i>	7/20/08
VP, ACADEMIC AFFAIRS	Dr. Ray Somera	<i>Dr. Ray Somera</i>	11/10/08
PRESIDENT	Mary A K Okada	<i>Mary A K Okada</i>	12/01/08

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**PROGRAM APPROVAL FORM
FOR ADOPTION AND SUBSTANTIVE REVISION**

I. TYPE OF ACTION

Check the type of action which applies. If previous Program Approval Form exists, please attach.

A. ☒ Adoption program

B. ☐ Substantive Revision (attach Program Form).

The numbers listed next to the changes below may or may not require response, they have been identified as those questions most likely needing to be addressed. The entire program form should be reviewed for applicability.

- ☐ Change in number of credit hours: II, IVA, IVD, VI, VII, VIII, XI
- ☐ Change in Technical/Core Requirements: II, IVA, IVD, VI, VII, VIII, XI
- ☐ Change in distribution of requirements affecting Related Technical or General Education Requirements, Technical/Core Requirements, or General Education Requirements: II, IVA, IVD, VI, VII, VIII, XI
- ☐ Identify specific changes not listed above:

II. INTRODUCTION

The Practical Nurse program at Guam Community College was adopted in 2005 with the first class starting in January 2006. Since that time we have had an average of 150 – 200 students on the waiting list. According to data collected many students were not prepared with basic English, Math and Science. To acclimate them to the more rigorous learning in a Health Occupations program we have developed the pre nursing certificate. This way when they reach the Nursing classes they are better prepared with a background all nurses should have to better understand the Nursing classes.

Licensed practical nurses (LPN) are in demand nationally and on Guam. The National Advisory Council on Nurse Education and Practice and the Occupational Outlook Handbook (<http://www.bls.gov/oco>) predict a nursing shortage unlike any other by the year 2010. Factors causing this shortage include an increasing elderly population, general growth of the health care field, declining nursing school enrollments, and broader career options for women. Many hospitals are trying to control costs by holding down the number of inpatients. Consequently, there will probably be more LPNs in nursing homes as the number of aged and disabled persons in need of long-term care rises. Rapid growth is also expected in home health care services. Many patients prefer home care, and it is now possible to provide complex treatments at home. Furthermore, more of the procedures that used to be performed only in hospitals, are now being done in doctors' offices and clinics. So the number of jobs for LPNs will probably increase in these places as well. This is also true on Guam as the Office of Continuing Education and the Allied Health Department had to recently expand their course offerings to include training in Care for the Elderly and In-Home Services due to requests from Catholic Social Services, the agency contracted by the local government to coordinate elderly care in the home setting.

Due to the critical shortage of professional health care workers the American Nurses Association, the National Federation of Licensed Practical Nursing, and the National Council of State Boards of Nursing issued a joint statement in August 1999. This document states their support of registered and practical/vocational nursing education licensure and coordinated efforts to promote nursing to ensure an adequate supply of nurses who will serve both the public and nursing profession's best interests (<http://www.nursingworld.org/readroom/position/joint/jtshort.htm>).

The Certificate in Pre Nursing combined with the Certificate in Practical Nursing will address the critical shortage of LPNs. Coursework will consist of lecture, laboratory, and clinical hours. Students will be taught all aspects of the profession from knowledge to practical skills.

III. STUDENT LEARNING OUTCOMES – PROGRAM LEVEL

The Certificate in Pre Nursing is designed to begin the process to address the critical need of practical nurses in the region and nationwide. The main intended learning outcomes were developed using the National League for Nursing Accreditation Commission's (NLNAC) curriculum, the Guam Board of Nursing Examiner's Standards of Nursing Practice for the Licensed Practical Nurse (Article 3 Section 4A), and the Nursing Practice Standards for the Licensed Practical/Vocational Nurse (www.nflpn.org).

The Certificate in Pre Nursing program will provide students:

1. KNOWLEDGE TO TAKE NURSING CLASSES WITH A GREATER DEGREE OF UNDERSTANDING BECAUSE OF COMPLETION OF PROGRAM IN NON NURSING CLASSES.

Upon successful program completion, students will be able to:

1. Acquire knowledge of general education and related technical requirements necessary to be successful in the more advanced nursing courses.
2. Demonstrate more understanding of the upcoming Nursing (NU) classes that they will take in the Certificate for Practical Nursing program by being able to extrapolate and apply knowledge received during these classes.

IV. RATIONALE FOR PROPOSAL

- A. Reason this proposal should be adopted in light of the College's mission statement and educational goals.

One of the goals of the College is, "to recognize its role in the economic prosperity of the community, seeking to be a proactive force in the commercial vigor of the region. This role is accomplished by maintaining communication with employers and by staying abreast of business trends so that its goals correspond with the predominant training needs of the region.

The College develops new and innovative educational programs as they are needed."

The pre nursing certificate serves to better prepare the student to attain knowledge necessary for successful completion of the more advanced Certificate in Practical Nursing

The shortage of LPNs on Guam has been a concern for many hospitals and clinics on Guam. This is currently the only practical nursing (PN) program to address the critical shortage of practical nurses on the island. This supports the College's mission statement, "...to be Guam's lead education agency in training, education, and support services in all ways relating to Guam's workforce development needs and the career and employment goals of the people; and to work in partnership with industry to advance economic development in Guam as a regional focal point for Micronesia within the Asia-Pacific Rim. Our mission is human resource development in support of Guam's major social and economic development goals."

(<http://www.guamcc.net/general/general.html>)

This will also allow us to keep a more accurate track of pre nursing students and provide more accurate track of students in all Allied Health Programs.

- B. Long-term employment outlook for this program area, including the number of available positions in the service area for graduates and expected salary level. A needs assessment was conducted in Fall 2004 led by Dr. Maria Salomon at UOG's School of Nursing with results from various clinics and hospitals. GMH reported 42 LPN position vacancies this year. There were nine LPN vacancies reported at the Department of Mental Health and Social Services, and one vacancy at the Department of Mental Health and Substance Abuse. Even GCC has had a difficult time finding individuals to fill an LPN position to support the student health center.**
- C. Conformity of this program to legal and other external requirements. Include State Voc/Tech requirements, accrediting agency standards, State Board regulations, professional certification or licensing requirements if applicable. This program seeks to emulate features of PN programs at other accredited community colleges. For students to be eligible for a license in practical nursing the program must seek formal approval from the Guam Board of Nursing Examiners (GBNE). In November 2004 the president of GCC submitted a letter of intent to the GBNE. The intended learning outcomes for the newly adopted courses were aligned with the National Federation of Licensed Practical Nurses (NFLPN) code and standards for licensed practical/vocational nurses and the National League for Nursing Accrediting Commission (NLNAC) curricula standards.**

This curriculum has undergone several revisions with feedback from the community and professionals from GMH and UOG. It was challenging to balance the lecture/theory, laboratory, and clinical hours to also allow sufficient time for independent study. The final proposal takes into

consideration the National League for Nursing Accrediting Commission's (NLNAC) criteria for nursing programs (Standard IV):

- Accurate and consistent information about clock and credit hours for lecture, clinical experiences, independent study, preceptor, and other activities.
- congruence among organizing framework, program objectives/competencies, curriculum design, course progression, and outcome measures.
- Content increases in difficulty and complexity.
- Significant concepts are interrelated and reinforced throughout program.
- Interdisciplinary collaboration is evident in curriculum design.

D. Results of program evaluation (see Appendix F for Checklist).

A task force was established that include members from the University of Guam, GCC, hospitals, clinics, and GBNE. Members of the task force encouraged the development of a certificate in practical nursing due to the critical shortage on the island. A Memorandum of Agreement was developed by faculty at GCC in conjunction with the University of Guam (UOG) and Guam Memorial Hospital (GMH) to provide initial support for a PN program. To ensure a continuum of education GCC's Allied Health Department is collaborating with UOG's School of Nursing so that graduates of the Certificate in PN program will be eligible to enter UOG's Associate Degree in Nursing (RN) and/or Bachelor's of Nursing program.

An informal questionnaire was disseminated to students enrolled in the satellite and postsecondary nursing assistant programs during Fall 2004. When asked about their interest in seeking a certificate in PN the majority of students said they would like to enroll in a PN program if it was established.

UOG has supported collaboration in this project by allotting release time (up to .25 FTE) to Kathryn Wood, R.N.C., M.N., to serve as a curriculum advisor/liason during the Spring 2005 semester. This interagency collaboration has been extremely beneficial in the development of this curriculum and is also one of the standards set forth by NLNAC. The adoption of a certificate in pre nursing will serve as a stepping stone into the certificate in Practical Nursing. Program. Due to the nursing field being a rigorous program of study the adoption of the certificate in pre nursing allows the student to determine whether or not it is something they want to pursue. It will also allow more accurate record keeping that will reflect more accurately the number of students in each Allied Health program.

V. RESOURCE REQUIREMENTS AND COSTS

- A. Resources (materials, media, and equipment) and costs.
These classes are already being taught on campus.
- B. Personnel requirements (administrative, instructional, and support staff) and costs.
No additional Faculty. These classes are already being taught
- C. Facility requirements.
General education, and related technical/general education courses will be held in classrooms at the College.
- D. Funding source(s).

Options:

Total Number of Credits: 25

C. Course Sequence

The course sequence is presented so that a full-time student may finish the program in a timely manner. However, students may prefer to take a lighter load. In that case, students should understand that some courses are only offered in certain semesters, which may affect their ability to enroll in other courses.

This is the suggested sequence for the certificate in Pre Nursing First Semester

EN 110	Freshman English (3) 45 lecture
MA 108	Intro to College Algebra (3) 45 lecture
HL 120	Medical Terminology (2) 30 lecture
ED 220	Human Growth and Development (3) 45 lecture
HL 131	BLS for Health Care providers (1) 15 lecture

Second Semester

SI 130	Anatomy and Physiology (4) 60 lecture
HL 150	Study of Diseases (3) 45 lecture
PY 120	General Psychology (3) 45 lecture
HL 202	Nutrition (3) 45 lecture

Total Semester Credits 25

Total Lecture Hours 375

D. Target Population

The target groups for this program are those seeking a career in the paraprofessional nursing field, and/or those who are currently employed in the health care industry or those intending to take the certificate in Practical Nursing.

E. Cost to Student

Current tuition, fees and textbooks, health clearance, and immunizations PPD. The estimated cost per student is as follows:

Tuition	\$90* X 25 credits =	\$2250
Services Fee	\$110 X 3 semesters =	\$330
Lab Fee		
Books=		\$500
Total estimated cost per student =		\$3,080

*Subject to Tuition Fee increases

IX. PREREQUISITE(S)

**ADMISSION TO THE PRE NURSING PROGRAM INCLUDES: (A)
ADVISEMENT FROM ALLIED HEALTH DEPARTMENT PERSONNEL, (B)
COMPLETION OF ENGLISH AND MATHEMATICS PLACEMENT TESTS**

WITH ACCEPTIBLE SCORES, OR COMPLETION OF ENGLISH DEVELOPMENTAL COURSES AND/OR COMPLETION OF MA095, AND (C) HEALTH CLEARANCE INCLUDING REQUIRED IMMUNIZATIONS.

X. CO-REQUISITE(S)

XI. CONTENT

- A. List of courses, with course descriptions, required to complete this program. Courses grouped according to: General Education, Technical Requirements, etc. If new courses are part of the program, Course Guides must be included with this request for approval.

GENERAL EDUCATION REQUIREMENTS

EN 110 Freshman English (3)

This course involves extensive writing of sentences, paragraphs, essays and an in-depth study of non-fiction prose at the college level. Prerequisite: Completion of EN100 Fundamentals of English Reading and Writing or passing score of English placement test. Prerequisites: Completion of EN 110R or EN 100W.

MA108 Intro to College Algebra I (3)

Mediated Learning using computer based mathematics includes the Real Number system and operations, fundamental operations with polynomials, an introduction to equations and inequalities, rational expressions including exponents, radicals, quadratic equations, and applications, in this beginning algebra course. This course articulates with UOG's MA085 level 2. (Formerly: MA110) Prerequisite: Placement test or MA095.

SI130 Anatomy & Physiology (4)

This course provides students with the knowledge and understanding of the structure and function of the human body and common pathophysiology. Prerequisite: EN110

PY120 General Psychology (3)

This course provides critical information about who we are and why we behave as we do. It promotes personal growth by providing insight and theoretical understanding of human thoughts and behaviors. Because those with a theoretical understanding of human behavior are more likely to successfully manage their own personal and professional relationships. This course is a required general education core course for all associate degree programs.

Total General Education Requirements: 13 credits

RELATED TECHNICAL REQUIREMENTS

J ED220 Human Growth & Development (3)

This course includes the study of human growth and development from birth to death with special emphasis on the formative and school years of the child. An overview of the interrelationship between physical, emotional, intellectual, and social growth will be presented. Includes observation and recording of child behavior.

J HL120 Medical Terminology (2)

This course provides students with the elements of medical terminology. The study includes origins of medical terminology, word building system, specific terminology for all systems of the human body, and terminology related or applicable to specialty areas in medical and selected paramedical fields.

J HL131 Basic Life Support (1)

This course provides students with the basic knowledge and skills necessary in an emergency to call for assistance and provide standard first aid care. This course also provides information on the prevention of injury and illness with a focus on personal safety. If the student already has a current BLS card from a nonacademic class this academic credit will be waived.*

J HL150 Study of Diseases (3)

This course provides the basic concepts and characteristics of disease processes which include disease description, etiology, signs and symptoms, diagnosis, treatment, prognosis, and prevention and terminology pertaining to injuries and disease process. This course also provides the student the knowledge to identify the etiology of the more commonly encountered diseases and identify their methods of prevention, control and treatment. Course offering: Spring only. Prerequisite: HL120, SI130, EN110

J HL202 Nutrition (3)

This course provides students with the basics of nutrition, with emphasis on food preparation, food safety, and recipe modification to meet specific body needs. The course also covers the relationship between nutrition and health and the importance of combining good diet with regular exercise in order to promote healthy life-styles.

Total Related Education Requirements: 11-12 credits * If student has a current BLS card the academic credit will be waived. If the card outdates during program time the student will have to renew it with an academic course.

XII. PROGRAM MEANS OF ASSESSMENT AND CRITERIA FOR SUCCESS

THE INSTRUCTIONAL PROGRAM WILL BE REVIEWED AND EVALUATED ON AN ANNUAL BASIS. THIS MAY INCLUDE TEACHER AND STUDENT EVALUATIONS OF COURSE CONTENT AND INSTRUCTION, RECOMMENDATIONS FROM THE TASK FORCE, ADVISORY COMMITTEE, AND RESEARCH IN THE FIELD OF PRACTICAL NURSING.

XIII. ARTICULATION

A. Secondary programs

B. University of Guam

The following courses articulate to UOG: EN110, HL202, PY120, and ED220. An MOA (signed on 1/6/2005) with UOG and GMHA includes measures that will promote articulation to ensure students transferring to the RN program at UOG will have a continual education program.

C. Others

