The Honorable Denise Moreno Ducheny
Chair, Joint Legislative Budget Committee
State Capitol, Room 5035
Sacramento, California 95814

Dear Senator Ducheny:

Pursuant to Item 6440-001-0001, Provision 12, of the 2009 Budget Act, enclosed is the University of California’s report to the Legislature on Nursing Enrollment Levels, FY 2009-10.

If you have any questions regarding this report, Associate Vice President Debora Obley would be pleased to speak with you. She can be reached by telephone at (510) 987-9112, or by e-mail at Debora.Obley@ucop.edu.

With best wishes, I am,

Sincerely yours,

Mark G. Yudof
President

Enclosure

cc: The Honorable Gloria Romero, Chair
    Senate Budget and Fiscal Review Subcommittee #1
        (Attn: Ms. Seija Virtanen)
        (Attn: Ms. Cheryl Black)
    The Honorable Wilmer Amina Carter, Chair
    Assembly Budget Subcommittee #2
        (Attn: Ms. Sara Bachez)
        (Attn: Ms. Amy Rutschow)
    Ms. Ana J. Matosantos, Director of Finance
    Mr. E. Dotson Wilson, Chief Clerk of the Assembly
    Mr. Gregory Schmidt, Secretary of the Senate
    Ms. Diane Boyer-Vine, Legislative Counsel
    Ms. Sara Swan, Department of Finance
    Joint Legislative Budget Committee (18)
    Senior Vice President John Stobo
    Executive Vice President Nathan Brostrom
    Vice President Patrick Lenz
    Associate Vice President and Director Steve Juarez
    Associate Vice President Cathryn Nation
    Associate Vice President Debora Obley
    Executive Director Jenny Kao
UC is not just an institution of higher learning. Here, research aims higher. Service reaches higher.

A higher level of excellence calls for a higher commitment.
UNIVERSITY OF CALIFORNIA

Report on Nursing Enrollment Levels, FY 2009-10

This report is submitted by the University of California (UC) in response to language contained in the 2009 Budget Act, which states:

“The University of California shall report to the Legislature and the Governor by May 1, 2010, on the total enrollment in the 2009-10 academic year in the baccalaureate nursing degree programs, the entry-level clinical and master’s degree nursing programs, and the master’s of science nursing degree programs.”

It should be noted that no additional State General funds were provided in 2009-10 for baccalaureate, or entry-level master’s and traditional master’s degree level, nursing students. Federal Workforce Investment Act (WIA) funds are, however, anticipated to help fund temporary nursing enrollment increases in 2009-10.

I. ENROLLMENT LEVELS IN THE 2009 ACADEMIC YEAR

Although the 2009 Budget Act requires UC to update the Legislature and the Governor on baccalaureate, and master’s degree enrollments only, this report provides nursing enrollment data for all UC Nursing programs (including doctoral programs). This information is included in order to provide a more comprehensive view of UC efforts to address statewide nursing needs and increase educational opportunities for students.

Currently, nursing programs are offered at three UC campuses – Los Angeles, San Francisco, and Irvine. UC remains focused on its role in training new nursing faculty and helping to rebuild the pool of baccalaureate-prepared students who can continue on for graduate study in nursing.

Doctoral Program Enrollments. The UCLA and UCSF Schools of Nursing both offer research-focused nursing doctoral programs which grant a Doctor of Philosophy (PhD) degree. A total of 183 students are enrolled in UC doctoral nursing programs in 2009-10. UCLA enrolled a total of 47 doctoral students and UCSF enrolled 136 doctoral students.

Master’s Program Enrollments. UCLA, UCSF and UCI offer master’s level nursing programs. In 2009-10, UC enrolled a total of 842 students in master’s programs. UCLA enrolled a total of 324 students—108 students in their Master’s Entry Clinical Nursing (MECN) program, and an additional 216 students in the traditional master’s program. In that same year, UCSF enrolled 506 students in their Master of Science program. Students enter into this program either through the Master’s Entry Program in Nursing (MEPN) or the traditional master’s program. In fall 2009, UCI started a new master’s program in nursing (MS) with an initial cohort of 12 students.

Baccalaureate Program Enrollments. Both UCLA and UCI began new four-year undergraduate nursing programs in Fall 2006. In 2009-10, these campuses had a total of 420 undergraduate students enrolled across all years, 171 at UCI and 249 at UCLA. Included in this total were thirty-one students enrolled in a small UCLA “bridge” program designed for students who are already licensed as a registered nurse, have earned an Associate’s Degree in Nursing, and wish to earn a BS in preparation for advanced practice study at the graduate level.
### Enrollments in UC Nursing Programs (2008-09 - 2009-10)

<table>
<thead>
<tr>
<th>Program</th>
<th>2008-09</th>
<th>2009-10</th>
<th>Difference (2008-09 – 2009-10)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor’s of Science (BS)*</td>
<td>360</td>
<td>420</td>
<td>60</td>
</tr>
<tr>
<td>Master’s – Traditional (MSN/MS)**</td>
<td>658</td>
<td>734</td>
<td>76</td>
</tr>
<tr>
<td>Master’s Entry Clinical Nursing Program (MSN)</td>
<td>111</td>
<td>108</td>
<td>(3)</td>
</tr>
<tr>
<td>Doctor of Philosophy (PhD)</td>
<td>194</td>
<td>183</td>
<td>(11)</td>
</tr>
<tr>
<td><strong>Total UC Enrollments</strong></td>
<td><strong>1,323</strong></td>
<td><strong>1,445</strong></td>
<td><strong>122</strong></td>
</tr>
</tbody>
</table>

* Includes students entering after one-year in the UCSF Master’s Entry Program in Nursing
** Includes students in a small UCLA “bridge” program for Associate Degree nurses

In its 2009-10 budget request, the University requested funding for 32 graduate professional master’s students and 100 undergraduate nursing students requested but not funded in 2008-09, and ten additional graduate professional doctoral and 50 undergraduate nursing students to support the 2009-10 phase of a planned multi-year expansion of undergraduate nursing. The enacted budget did not, however, provide new General Fund resources for nursing.

Because of the strong demand for UC-educated nurses, the California Labor and Workforce Development Agency (CLWDA) in 2009 put forth a proposal in which, beginning in 2009-10, new, one-time federal Workforce Investment Act (WIA) funding provided over five years (approximately $12 million dollars in total) would be available to UC through participation in the Governor’s Nursing Education Initiative. These funds—which require annual approval by the Legislature—are intended for UC to train and graduate a limited number of new California nurses. Although UC has not yet received the WIA funds approved for 2009-10, UC nursing programs enrolled undergraduate and graduate nursing students (for which there were no State General Funds), consistent with the plan approved by CLDWA. Without the short-term WIA funds, UC would have needed to decrease nursing enrollments. Thus, during a budget crisis, this temporary solution used for a 2009-10 nursing workload increase was necessary. However, this is not a sustainable solution over time.

Though budgetary circumstances remain difficult in the foreseeable future, the University intends to seek core State General Fund support for these students through the regular budgetary process. Without new workload support, the University will need to develop plans to align enrollment levels with available resources.

### II. FUTURE UC NURSING PLANS

UC recognizes the importance of addressing California’s significant and growing shortages of nurses and nursing faculty. However, the absence of permanent State support for the required increase in workload jeopardizes the expansion that has already occurred and that UC would plan to continue if instructional support is provided. Given
uncertainties associated with the 2010-11 budget, UC is not yet able to project nursing enrollments for 2010-11 and beyond at this time.

With the WIA funds mentioned earlier, the University plans to do the following over the next four years:

**UC Los Angeles.** Federal WIA funds are expected to help temporarily support a cohort of UCLA nursing students at the bachelor’s, master’s and PhD levels (proposed 69 students in total).

**UC Irvine.** The Irvine campus is planning new and expanded graduate programs at the master’s (MS) and doctoral (PhD) levels, with initial implementation to begin with the master’s program. Federal WIA funds are expected to help temporarily support a cohort of UCI master’s and PhD students (proposed 50 in total).

**UC Davis.** UCD is preparing to accept its inaugural class of students at the Betty Irene Moore School of Nursing, with its first students anticipated in the master’s and doctoral programs in Fall 2010. The Gordon and Betty Moore Foundation’s vision for the School of Nursing was as a public-private partnership between the Foundation and the State in which both would provide funding for the new school. While federal WIA funds are expected to help temporarily support a cohort of UCD master’s and PhD students (proposed 93 in total), State support for the Betty Irene Moore School of Nursing is necessary to retain the $100 million grant from the Foundation in the future.

**UC San Francisco.** Federal WIA funds are expected to help temporarily support a cohort of master’s and PhD students (proposed 130 in total).

### III. ADDITIONAL BACKGROUND INFORMATION

The need for continued expansion of nursing programs is discussed below, followed by a more detailed description of the nursing programs UC currently operates.

**California’s Nursing Crisis:** Virtually all Americans will require nursing care at some time in their lives. Whether this care involved maintenance of health, episodic care of a highly technical or less complex nature, care for a chronic condition or illness, or long-term supportive care, it is important to ensure that appropriate nursing care will be available. Therefore, continuing reports of a nursing shortage raise concerns that must be addressed in California and nationwide.

Notwithstanding recent efforts by the Governor’s Nurse Education Initiative to increase the state’s capacity to train nurses, California remains among one of the states with the lowest number of employed nurses per capita (638 vs. the U.S. average of 854 nurses per 100,000). Causes of the nursing shortage include rapid population growth (especially of those over age 65), an aging nursing workforce (national average of nurses is 47.0 years, and nearly 45% of RNs are over age 50), increasing mean age of nursing faculty nearing retirement, and limited nursing school enrollment capacity and insufficient funding for education. Current nurse staffing ratios for California hospitals and national accreditation standards limiting the number of hours medical residents can work have created further demand.

In the area of nursing, the Council recommended “substantial enrollment growth, with a focus on graduate education in nursing and the need to train increased numbers of future nursing school faculty.” The Council also recommended that new programs at the undergraduate level be developed to increase educational opportunities for undergraduates and to help build the pool of students who will go on to graduate study, stating “…[t]his should include growth in existing nursing schools and programs and creation of new ones at new locations.”

The Council called for development of new educational models involving interdisciplinary training and team-based approaches to patient care; and redoubled efforts to significantly increase the diversity of all UC health professions faculty and students, with stable funding provided to support best practices and model programs. The Council also encouraged innovative approaches to teaching, including telemedicine, distance learning, and use of new technologies.

**UC Nursing Programs:** UC currently operates two Schools of Nursing (UCLA and UCSF), and a Program in Nursing Science (UCI). A third nursing school at UC Davis was formally approved by the Board of Regents in March 2009 (its first students anticipated in Fall 2010). Until Fall 2006, UCLA and UCSF offered only graduate nursing education, with the exception of a small 3rd and 4th year baccalaureate program offered at UCLA for students who are already licensed as a Registered Nurse. The graduate programs play a critical role in preparing advance practice nurses and future faculty. Faculty shortages in nursing exist statewide and are a major barrier to increasing enrollments at UC, CSU and CCC campuses.

**Overview of UC’s Nursing Schools and Programs**

<table>
<thead>
<tr>
<th>Campus</th>
<th>Type</th>
<th>Year established</th>
<th>Degrees offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC San Francisco</td>
<td>School of Nursing</td>
<td>1907</td>
<td>MS, PhD</td>
</tr>
<tr>
<td>UC Los Angeles</td>
<td>School of Nursing</td>
<td>1949</td>
<td>BS, MSN, PhD</td>
</tr>
<tr>
<td>UC Irvine</td>
<td>Nursing Science Program*</td>
<td>2005</td>
<td>BS, [MS, PhD]**</td>
</tr>
<tr>
<td>UC Davis</td>
<td>School of Nursing</td>
<td>2009</td>
<td>[BSN, MSN, PhD]**</td>
</tr>
</tbody>
</table>

* UC Irvine plans to seek School of Nursing status
** Anticipated degree offerings; First cohort of students have not yet graduated

**A. Baccalaureate Degree Programs**

UC currently offers two baccalaureate nursing programs – one at UC Irvine (launched Fall 2006) and the other at UCLA (re-established in Fall 2006). College-bound high school graduates interested in nursing, but strongly committed to a UC undergraduate education, once again have the opportunity to do both. The BS programs at both campuses are four year programs. These programs continue to draw strong interest from undergraduates with highly competitive applicant pools.

**UC Irvine.** The Baccalaureate in Nursing Science offers talented and highly motivated undergraduates the opportunity to enter the healthcare environment with an education founded upon the theory and practice of nursing. Completion of the program’s curriculum will lead to a Bachelor of Science (BS) degree in Nursing Science, a key asset for today’s nurses, who must provide care to a diverse group of patients through evidence-based practice. Graduates of the Program in Nursing Science are prepared to serve as generalists in professional nursing practice and to collaborate with other healthcare providers in clinics, hospitals, and community health settings. The undergraduate program prepares students for success in academia as well; graduates are poised to attain advanced degrees in Nursing Science and to significantly contribute to the field through original research.
UC Los Angeles. The Nursing prelicensure program for undergraduate study leading to the Bachelor of Science (BS) degree in Nursing was re-established in Fall 2006. The traditional BS program is designed to prepare students for a career in nursing and focuses on managing both individuals and population-based cohorts within an acute care hospital or medical center. Conceptually, the curriculum has been developed according to the principles of primary, secondary, and tertiary prevention; moving from a systems, population-based approach to a cohort-based or unit-based perspective, and culminating with an intense focus on the individual-level of care. Graduates of the program will be well-prepared to deal with the demands of the present day high acuity patient populations and sophisticated technological environments. The program provides a BS degree with a major in Nursing and eligibility to take the National Council Licensing Examination (NCLEX) to be certified as a registered nurse (RN) after completion of the program.

B. Entry-Level Clinical and Entry-Level Master’s Degree Programs in Nursing

UC offers two master’s entry nursing programs: the Master’s Entry Clinical Nurse Program (MECN) at UCLA, and the Master’s Entry Program in Nursing (MEPN) program at UCSF. The two programs differ in curriculum, length of program, fee structure and objectives, but both are master’s level professional nursing programs in which the students enter without having a baccalaureate degree in nursing or having completed the requirements for RN certification.

UC Los Angeles Master’s Entry Clinical Nurse Program – MECN. The School of Nursing at UCLA offers an entry-level master’s degree program, called the Master’s Entry Clinical Nurse Program (MECN). The MECN is a two-year program that enrolled its first students in 2006, in which students enter without an undergraduate degree in nursing and earn both a master’s degree and satisfy the requirements for RN licensing concurrently. The students are prepared for careers as bedside nurses with additional skills in managing a unit in a hospital (e.g., having the ability to deal with administrative and cost issues), as well as more skills in using, and helping to conduct, research than RNs who have not had graduate level instruction. Students in the MECN program pay the same fees as those paid by other nursing master’s students – the Educational, Registration and Nursing Professional fee.

The MECN program assumes that students have completed a comprehensive undergraduate curriculum that will have satisfied some of the BSN licensing requirements. Prerequisites for the program include statistics, anatomy and physiology, as well as chemistry, epidemiology, psychology, communications, and microbiology. Other RN licensure requirements are completed as part of the two-year intensive master’s curriculum.

UC San Francisco Master’s Entry Program in Nursing – MEPN. Students in UCSF’s 3-year MEPN enter with a BS or BA degree in any field other than nursing. In the initial 12 months of the program, students complete coursework to satisfy the requirements for RN licensure, and then move into the two-year Master’s of Science in Nursing (MS) program. Graduates of the program graduate as “advanced practice nurses” and are prepared for one of three advanced practice roles: nurse practitioner, nurse midwife, or clinical nurse specialist. As such, they are prepared to work independently (although often in close collaboration with physicians) in both primary and specialty health care.

The intensive initial segment of the MEPN program is self-supporting, that is, supported by a student fee for the 12-month period (fees for students who began in June 2009 were $31,000 for the first year). During this self-supporting year, the MEPN students are not included as part of State-funded enrollments because no General Fund support is provided for this initial year. After the first year, however, the students enter the MS program and are included in the State reportable enrollments and do receive State support at the same level as other graduate nursing enrollments. During the MS program years, these students pay the same Educational, Registration and Nursing Professional fees as other nursing master’s students.
C. Master of Science in Nursing Programs - Traditional

UC Los Angeles. The UCLA Master of Science in Nursing (MSN) program is a two–year course of graduate study that prepares advanced practice nurse administrators, nurse practitioners and clinical nurse specialists. Students in the MSN program contribute to improving nursing care through research, which includes analysis, articulation, and documentation of the nursing process. The curriculum is designed for students to obtain theoretical and practical knowledge of the foundations for specialized practice, as well as an opportunity to implement that knowledge through advanced clinical practice. Each area of specialization has requirements over and above the minimum core requirements for the degree.

UC San Francisco. The UCSF Master of Science (MS) program is a two-year course of graduate study that prepares leaders in the roles of nurse practitioner, clinical nurse specialist, nurse-midwife, administrator, teacher, and consultant. Most applicants applying to this program are experienced registered nurses who have successfully completed a bachelor’s degree. Upon graduation, all have a base of knowledge in a specific area of nursing, can participate knowledgeable in research activity and application, and are capable of contributing to the formulation of theory and to the application of theory to nursing practice. The Master of Science program is ordinarly a two-year program; the vast majority of students are on full-time status at the university (although many undertake part-time paid work concurrently with their study schedule). Each student must select an area of specialization, with opportunities in a number of fields ranging from midwifery to critical care, and health policy to family nurse practitioner training. For many of these specialty areas, the UCSF School of Nursing is acknowledged to be the leading, or the only, nursing school for that particular specialization area at the master’s level.

UC Irvine. The new UCI Master of Science (MS) in nursing program is a two-year course of graduate study that prepares nurse practitioners. Students select an area of specialization – either the Family Nurse Practitioner (FNP) track or the Adult Geriatric Nurse Practitioner Track (A/GNP). Graduates of the NP tracks will be eligible for certification by the California Board of Registered Nursing. The FNP Program is designed to prepare nurses to deliver primary health care to families in a variety of settings. NPs take health histories and provide complete physical examinations; diagnose and treat many common acute and chronic problems; interpret laboratory results and X-rays; prescribe and manage medications and other therapies; provide health teaching and supportive counseling with an emphasis on prevention of illness and health maintenance; and refer patients to other health professions as needed.

D. Doctor of Philosophy Programs

UC Los Angeles. The UCLA Doctor of Philosophy (PhD) program is research-oriented with a focus on clinical nursing research and designed to provide the theoretical and scientific knowledge necessary for scholarly pursuit in nursing. Students will show competence in an appropriate cognate area relevant to their major area of study by completing theory courses in nursing and related disciplines. The purpose of the PhD program is to educate scholars who, through the conduct of original research and the generation of theory, will build the scientific knowledge base for the advancement of nursing practice, research and health care policy. This research focuses on the individual, family, community, and organizational systems within the context of cultural diversity and across the life span to optimize health outcomes. The program emphasizes specific areas of study in which nursing makes a significant contribution towards health. These areas are defined by the research expertise of faculty in the context of the interdisciplinary resources available at the academic and health sciences campus and the local, national and international community.
UC San Francisco. The UCSF Doctor of Philosophy (PhD) in Nursing program prepares scientists to conduct research in nursing and to contribute to the body of knowledge in nursing. Graduates of this program focus their careers on generating the knowledge base of the nursing discipline through positions as academic or clinical researchers. The curriculum is designed to develop habits of scholarly thinking. The initial segment of the curriculum provides coursework in the areas of research, nursing science and theory development. The emphasis in the middle segment expands to include research residencies, cognates, and independent studies that provide a basis for the student’s projected dissertation focus and the subsequent final program of research. The final segment of the program, preceded by the qualifying examination and advancement to candidacy, entails development of a dissertation research proposal, data collection and analysis, and the writing of the dissertation. The dissertation is a work of independent research that makes an original contribution to knowledge in nursing. A key element of the program is faculty consultation and advising. The program entails approximately four years of academic work.

Additionally, the Department of Social and Behavioral Sciences in the UCSF School of Nursing offers a doctoral program which leads to the PhD in Sociology. The substantive focus of the program lies in the sociology of health, illness, biomedicine and health care systems. Four areas of specialty concentrations are available: 1) aging, chronic illness, and disability; 2) health policy (including health organizations and economics); 3) science, technology, and medicine studies; and 4) race, class, gender, and health. Additional areas of study include HIV/AIDS, women’s health, health professions and occupations, and violence as a health issue, among others. Both qualitative research and analysis and quantitative methods are emphasized, along with social theory. To qualify for candidacy for the doctoral degree, students must satisfactorily complete qualifying examinations in social theory and in sociology of health and illness at the end of the first and second years. Additionally, the student must prepare a scholarly paper on a relevant problem leading to the dissertation, which usually addresses selected specialty areas. The dissertation is expected to be based on original research.

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