Health Sciences Division
Annual Program Review Report

October 28, 2010

Compiled on behalf of the division faculty by Dr. Karen Cowell, Dean

Area 3 – Curriculum

3.5   Course Outlines of Record are up-to-date. Twenty nine courses will need to be updated in 2010-11. Four vocational nursing courses will need to be made obsolete when new courses that have been approved by AP&P are approved by the Board of Vocational Nursing and Psychiatric Technicians.

3.6   The primary instructor(s) for the disciplines are responsible for writing and updating the syllabi. The Course Outlines of Records are used as the basis for the syllabi. The CORs are included in the syllabi to insure adjunct instructors can use that as a guide. The dean reviews the course syllabi at the beginning of every semester or session.

Area 5 – Data Analysis and Environmental Scan

5.1   The classes offered by the division fill to capacity. The division has reduced the sections of CFE, EMT, RN, and VN courses to reflect budgetary constraints.

5.2   The division courses and programs typically do not meet student demand. For example, CFE, EMT and Nutrition and Foods courses typically have 100% more students trying to add their classes than capacity. The RN and VN programs have waiting lists for their first semester courses: 175 qualified applicants on the RN waiting list and 146 on the VN waiting list. The waiting list for the RN program is driven by the completion rates of the course science classes: BIOL 201, 202 and 204.

The Respiratory Care program filled to capacity this fall (24 students) when last fall it did not (21 students). The VN first semester courses did not fill to capacity, as just prior to the beginning of the semester, students did not take spaces offered to them or dropped out early in the semester after realizing the time requirements of the program. The Radiologic Technology program filled to capacity and had a waiting list of 14 students for ten spaces in the class.

Area 6 – Student and Program Learning Outcomes Assessment

6.1   Student Learning Outcomes were assessed for most courses in the division. There were no student learning outcomes for RADT 107. This will be remedied this semester. The EMT instructor does not believe that the SLO for EMT 101 reflects the core competencies for the course and should rewrite it. The program outcomes for the Child Development Center were assessed in 2009-10, as they are assessed annually.

6.2   Adjunct instructors in all disciplines except MOA participate in writing and assessing SLOs. The MOA discipline does not have a full time lead instructor, so the dean explains the SLOs for the course, reminds the adjuncts to assess the SLOs, and enters the data into WEAVE Online. All discipline faculty need to work on assessing PLOs. The Family and Consumer Education degree SLOs and PLOs were submitted to AP&P in spring 2010 and have not been acted on as of this date.

6.3　　At least one SLO will be assessed for each course each semester. Several division programs/areas are already assessing PLOs: Child Development Center, Respiratory Care, Nursing Science. The results of these assessments can be entered into WEAVE Online as soon as the system is ready to record them. As referenced in the individual discipline reports, adjunct faculty are involved in the discussion of SLOs in all disciplines in the division.

6.4　　In the EMT and MOA disciplines there is not enough data to address this section. The Nursing Science faculty identified the following areas of student services as critical needs:

- Study skills

- Test taking skills

- Math remediation

- Coping with test anxiety

The Nutrition and Foods faculty identified the need for Supplemental Instruction for NF 102.

The Radiologic Technology and Respiratory Care faculty identified no unmet needs at this time. No need for additional professional development was identified by any discipline faculty.

Area 9 – Goals and Objectives

Child Development Center

1. Goal: Seek additional external funding for renovation needs.

Objective: Apply for grants as opportunities arise.

Timeline: Ongoing

Justification: District funds alone are not sufficient to renovate the CDC.

Completion status: June 30, 2011

2. Goal: Continue to collaborate with the Child and Family Education program and other programs and departments on campus to create links that can support student learning outcomes.

Objective: Communicate regularly with other programs and departments.

Timeline: Ongoing

Justification: Benefits achievements of student learning outcomes and increases visibility of CDC on campus.

Completion status: Ongoing

Child and Family Education

1. Goal: Offer more CFE coursework both on-line and face to face that will allow CFE students to obtain the CFE Certificates and the CD Permit that are required for employment.

Objective: To revise current CFE Certificate to better reflect program needs as well as align with State Community College system. To develop online course work that will align the CFE program with other community colleges.

Timeline: Report to Division faculty by May 2011.

Justification: The need for more online and face to face coursework is an area that students consistently request. In light of State budget cuts, the CFE program has had a reduced course schedule with no inter-session or summer school courses offered. This has had an adverse effect on CFE students who must obtain the CDC Permit or CFE Certificate in order to work in State funded Early Childhood Programs as well as transfer to BA degree programs upon graduation.

Completion status: The CFE faculty has discussed these issues and are currently working on revisions and online course additions. The completion of these efforts will take place between Fall 2011 and Spring 2012.

2. Goal: Hire a full time faculty instructor to facilitate and encourage student success and retention, seek new grant opportunities, participate in faculty discourse, and develop and teach face to face and new on-line courses.

Objective: To expand CFE department grant opportunities as well as provide on-line and face to face instruction that will enhance and expanded the CFE departments' ability to serve CFE students and the greater teaching community of Antelope Valley.

Timeline: Report to Division faculty by Fall 2011.

Justification: To align with other CA Community Colleges in offering an expanded course schedule that includes an expansion of face to face and online course offerings.

Completion status: The CFE faculty is seeking to complete by Spring 2012.

Emergency Medical Technology

1. Goal: During the next four years the EMT program's goal is to increase the number of students we can accommodate. The need is demonstrated by the fact that our sections close rapidly each semester and that a large number of students are always present on the first day of class trying to add the course (regularly 60% greater student demand than we can accommodate).

Objectives: To accomplish the goal of accommodating a greater number of students we must secure better funding. Other than continuing to voice this need, funding issues are generally beyond the control of program instructors.

Justification: The EMT program is primarily a job training course. Students who enroll in the EMT course are largely seeking to enter a career in the Emergency Medical Services; working on ambulances, within fire departments, at hospitals, or entering a related medical field such as nursing, respiratory therapy, sports medicine, physician assistants, etc. The needs within these fields continue to remain high as does the continuing population of students seeking training for these fields. AVC has an opportunity to fill a valuable need within the community by increasing enrollment in the EMT program.

Status: Ongoing discussion.

Medical Office Assisting

1. *Goal:* Assess the viability of the Medical Assisting courses and program as a college-level program using the Educational Program Evaluation and Discontinuance Procedure in conjunction with the Academic Senate.

Objective: Determine whether the program is viable or whether students would be served better by having the clinical medical assisting program offered in Corporate and Community Services or in the Health Sciences Division. Explore alternatives to offering the program, similarly to the Boston Reed College pharmacy technician program.

Timeline: Report to the division faculty by March 2010.

Justification: The most relevant course to other college courses in the clinical medical assisting program is MOA 101, Beginning Medical Terminology. A survey was completed of students taking the course in fall 2009. The primary reason students were taking the course was to strengthen their vocabulary prior to entering the RN, LVN, respiratory care/therapy, or radiologic technology programs. The second most frequently reported reason was to prepare for anatomy and physiology courses. Having medical assisting as a major was the third (and distant) reason. The clinical medical assisting courses have not had a full time instructor or medical director and do not meet the requirements by certification agencies for taking the certification exam. Students who complete the program are not competitive in the job market because of lack of certification. MOA 101 is the only transferable course in the program and is valuable as a college level course, while students may benefit from having the other courses in the program offered in an alternative setting.

Completion status: The faculty discussed having the program offered by Boston Reed College. The quality of the Boston Reed program is questionable. AVC will not have a lab that is compliant with accreditation standards for the discipline until the Health and Science Building is completed. Also, the program needs to have an advisory meeting.

Nutrition and Foods

1. *Goal*: To develop and implement an Associate Degree in Nutrition.

Objective: Research other colleges to see what classes need to be offered to fulfill an A.S. degree in Nutrition.

Time Frame: Time needed to gather required information, add any needed courses, and develop new Course Outlines of Record may require 2-3 semesters.

Justification: The need for an Associate Degree in Nutrition has been supported by the great number of students interested in a career in nutrition. This interest is also supported by the increasing trend for prevention of chronic diseases and management through lifestyle changes such as diet.

Completion status: Ongoing

Nursing Science

1. *Goal*: To Maintain BRN accreditation

Objective: To comply with all requirements set forth in the California Nurse Practice Act.

Time Frame: Ongoing

Justification: The BRN has the authority to approve registered nursing programs in California. The purpose of approval is to ensure the program's compliance with statutory and regulatory requirements. Prelicensure nursing programs must be approved by the BRN.

Completion status: Ongoing

2. *Goal*: To enhance integration of simulation into the curriculum.

Objectives: To involve more faculty members in the integration and implementation of simulation into courses. This includes attending conferences on the use of simulation in the classroom, debriefing techniques and training on the use of the simulators. The college purchased scenarios that are currently being used. The college purchased an upgraded simulator with grant money and training for this simulator was done. A new position of a simulation coordinator assist faculty in developing appropriate simulation scenarios for courses and manage and coordinate the implementation of simulation into courses.

Time Frame: In 2 years we plan to have simulation integrated into all nursing science courses.

Justification: This meets ILO #4 where the students can solve problems using critical thinking skills and decision-making skills. Student feedback has been very positive. Students indicate that they can practice a skill in a realistic non-threatening environment. AVC Master Plan Guiding Principle 2: *Provide students with access to current and reliable technology resources necessary to sustain and enhance the teaching and learning environment.*

Completion Status: Ongoing

3. *Goal*: Increase student success in the program and on the National Council Licensure Examination (NCLEX-RN)

Objectives: Each semester faculty need to review course and program attrition rates. Mandatory TEAS testing must occur. Faculty need to identify students who are struggling in classes and make early referrals to campus resource centers or to the Student Success Advisor. Skills lab hours, math and care planning classes must be offered. Test questions are designed to follow the NCLEX Test Plan with a higher percentage of the questions being written for application and analysis.

Time Frame: This is continuously evaluated.

Justification: AVC Master Plan Guiding Principle 5: *Increase the success rate of students in college transfer courses, and increase the percent of students that transfer.* BRN sets a benchmark of having an attrition rate less than 25%.   Our goal is to maintain a NCLEX pass rate at 90% or greater.

Completion status: Pass rate on the NCLEX-RN for the 3rd quarter of 2010 was 83.3%. The factors contributing to the drop in the pass rate are being researched by the faculty.

4. *Goal*: To continue to fund the current open skills lab hours, student success advisor, and simulation coordinator.

Objectives: Continue to fund a full time faculty member with 40% assigned time to the skills lab. Continue to fund a student success advisor. Establish permanent funding for a full-time simulation coordinator.

Time Frame: Ongoing.

Justification: This meets ILO #4 where the students can solve problems using critical thinking skills and decision-making skills and a variety of technologies. AVC Master Plan Guiding Principle 5: *Increase the success rate of students in college transfer courses, and increase the percent of students that transfer* and Principle 3: *Address the critical needs of incoming students with additional basic skills classes in reading, writing, math, learning and study skills.* This supports student success by providing a non-threatening supportive environment for learning and remediation. Student feedback has been very positive for more lab hours and simulations.

Completion status: Funding for the positions was approved as part of the 2010-12 Enrollment Grant for Nursing. Permanent funding has not been secured. The Counseling Division is interested in maintaining the student success advisor position.

5. *Goal*: Increase technology in the classroom and develop online classes.

Objectives: To increase use of technology in the classroom. To have ITS provide more resources for computer technological support. To purchase Nurse Squared and have students learn to document electronically. The faculty will develop on-line learning classes.

Time Frame: 2 years.

Justification: This meets ILO #4 where the students can solve problems using a variety of technologies. AVC Master Plan Guiding Principle 2: *Provide students and employees with access to current and reliable technology resources necessary to sustain and enhance the teaching and learning environment.* AVC Master Plan Guiding Principle 9: *Explore alternative methods of delivering education offerings, in accordance with community college system goals.*

Completion status: Ongoing

6. Goal: To assess SLOs and PLOs each semester.

Objective: To review, discuss, and analyze SLO assessment data each semester, and revise SLOs and assessment methods as needed.

Time Frame: Next evaluation Fall 2011

Justification: This is a requirement of the chancellor's office to maintain college accreditation.   SLOs and PLOs provide assessment methods and a curriculum map. The SLOs were revised in 2009. AVC Master Plan Guiding Principle 1: *Create a campus culture in which student learning outcomes for all instructional departments and administrative unit objectives for non-instructional departments are known to the campus community and are the basis for planning.*

Completion status: Ongoing

7. *Goal*: To replace full-time faculty.

Objective: To hire a full-time faculty member to the position vacated by retirement.

Time Frame: 2010-11 academic year

Justification: The position was vacated during the summer 2010 and not replaced prior to the 2010-2011 academic year. This position is necessary to provide adequate faculty to student ratios and disperse the workload. Current student number is the program is 263 with 11 full-time faculty which is a ratio of approximately 24:1.

Completion status: Position will be brought forward as a recommendation to the Academic Deans in November 2010 when requests for faculty positions are reviewed and prioritized.

Radiologic Technology

1. *Goal:* Hire an additional full-time faculty member

Objectives: fund, recruit, and hire.

Timeframe: prior to June 2010 student enrollment

Justification: supports community outreach (see below), supports increased student enrollment by providing enough faculty to support program enrollment on a yearly basis. Supports programmatic accreditation processes. Supports student learning outcomes by providing another faculty resource in the program

Completion status: This goal has not been achieved. The program is currently in its initial cycle of programmatic accreditation. The report of findings from the initial site visit suggested that the program review its staffing plan before a second cohort begins the program. A second cohort was added in June of 2010, however funding has not yet been identified or obtained for a second full-time faculty member.

2. *Goal:* Complete energized radiologic technology laboratory

Objectives: renovation of classroom, installation and inspection of equipment.

Timeframe: prior to April 2010 - this goal has been achieved,

Justification: required by California Code of Regulations, Title 17

Completion status: construction laboratory was completed in March 2010; state occupancy (machine registration) awarded August 2010.

3. Goal: Develop additional clinical affiliations

Objectives: provide additional resources to assist with clinical affiliation development, i.e, additional full-time faculty.

Timeframe: prior to June 2010 student enrollment

Justification: supports community outreach, provides a variety of clinical learning settings for students, supports increased student enrollment in the program.

Completion status: The program has added Ridgecrest Regional Hospital as a clinical affiliate approved by CDPH-RHB and JRCERT June 2010.

4. Goal: Obtain a CR reader for radiographic laboratory

Objectives: secure funding for equipment, purchase and install.

Time frame: prior to April 2010 - this goal has been achieved.

Justification: supports requirement by California Code of Regulations, Title 17. Supports student-learning outcomes.

Completion status: the program was awarded Perkins funding for the purchase of this equipment for the 2010-2011 year. Equipment was installed September 17, 2010.

Respiratory Care

4. *Goal*: Maintain program accreditation with the Commission on Accreditation for Respiratory Care (CoARC).

Objective(s):

1) Complete annual program reports to the commission and maintain all requirements.
2) Continue to provide adequate resources for the program.

Time Frame: Annual

Justification: Without accreditation the program would not be able to support student success and the colleges' mission through credential, license acquisition, and employment. In addition, by assuring adequate resources the courses meet industry standards, provide essential career technical instruction, and enhance knowledge and skills that lead to employment.

Completion status: Report completed on time; additional resources obtained with funding from Perkins IV.

Vocational Nursing

1. *Goal:* To assess SLOs and PLOs each semester.

Objective: To define the method of evaluating the program PLOs.

Time frame: By June 30, 2011

Justification: This affects the college's accreditation status with ACCJC.

Completion status: In process.

2. *Goal*: Improve NCLEX pass rates to be consistently over 90%.

Objective: Increase the NCLEX-PN pass rate to a minimum of the state average of 70%

Time frame: By June 30, 2011

Justification: Affects both program accreditation and college accreditation

Completion status: Undetermined, as the class that graduating in August 2010 has not taken the NCLEX-PN yet.

3. *Goal*: Develop resources for professional development for nursing faculty.

Objective: Develop a plan for substitute instructors and funding for professional development.

Time frame: By June 30, 2011

Justification: Affects ability of faculty to maintain current standards of practice in nursing.

Completion status: Faculty can attend college professional development activities or apply for Perkins IV funding to attend conferences. Plan for substitute instructors is not developed yet.

4. *Goal*: Develop a plan to ensure a full class in VN 110.

Objective: Enroll 30 students in the program in August.

Time frame: By August 23, 2010

Justification: Maximizes use of faculty and funding resources.

Completion status: Unsuccessful in filling the class to capacity due to students dropping out after the date that it is possible to obtain all the necessary physical exam requirements. Further student orientations are needed.

Area 10 – Long Term Resource Planning

10.1   The division will work with the Campus Facilities Office to determine equipment that will be needed and potential funding sources for the new Health and Science Building. The Child and Family Education faculty and the Radiologic Technology faculty have identified the need for wireless internet access to their classrooms. The Child Development Center has requested funding for professional development a a part time Early Childhood Specialist Support Coordinator to assist the early childhood specialists when they need to plan and implement curriculum, assess children, complete Desired Results Developmental Profiles, conduct parent/teacher conferences, and mentor and supervise teacher assistants and practicum students.

10.2   Across the disciplines the faculty needs to have a regular replacement schedule for equipment and durable medical supplies. Current budgets have been cut each year for the past two years. There needs to be a college wide plan for restoration of supply and fee budgets as the state economy improves.

10.3   The college budget process did not have additional funding for supplies, faculty or equipment. Perkins IV funding was obtained for the RN, RCP, and RADT programs for equipment. The Enrollment Grant for Nursing for 2010-12 was awarded to the RN program in August 2010.