

Program Review Comprehensive Report



Program Review - Instructional: Anatomy and Physiology

Supplemental Reports and Attachments

2014 - 2017

Comments or Notes: NCB ENTERED

Attachments:

- [2014_17_Anatomy_Physiology_CurriculumRPT.pdf](#)
- [2014_17_Anatomy_Physiology_SuccessEfficiencyRetentionRPT.pdf](#)
- [2014-17_INSTRUCTION_ANATOMY_PHYSIOLOGY_ResourceRequests.xlsx](#)
- [2014-17_ANATOMY_SLO_DISCIPLINE.pdf](#)

Program Trends and Updates

2014 - 2017

Program Update Section

Has your unit shifted departments in the PAST 4 years?: Yes. We separated from Mathematics and continue as The Department of Science and Kinesiology.

Do you anticipate your unit will shift departments in the NEXT 4 years?: No

New certificates programs created by your unit in the PAST 4 years?: No

New certificate programs anticipated by your unit in the NEXT 4 years?: No

Substantial modifications made to certificates/degrees in the PAST 4 years.: No

Substantial modifications anticipated to certificates/degrees in the NEXT 4 years.: Possibly create an AS-T for our students to transfer with the first two years completed of their BS-Nursing from CSU-San Bernardino.

Activities in other units that impacted your unit in the PAST 4 years.: No

Activities in other units that impacted your unit in the NEXT 4 years.: Yes, the creation of the AS-T Kinesiology will increase the demand for 2 semester Anatomy and Physiology courses.

Previous Program Review Resource Requests

Resource Requests Received: Upgrade of ST 211 lab:

Removal of non-functional fume hood and replace with a table-high storage/display cabinet.

Upgrade of ST 211 lab:

Addition of two additional in-ceiling light fixtures over two lab tables closest to the doors.

Upgrade of ST 211 lab:

Replacement of the 24 desks on the floor with a more stationary and wheel-less variety.

Safety issue concerning autoclave in ST 202 Prep Storage room

Upgrade of ST 211 lab:

Filled Specimen Display Case with hominoid skeletal models

ST207

Addition of wireless printer for Campo lab

ST 207

Six additional laptop computers to replace missing laptops.

ST 207

addition of display model of intestinal villi for instructional purposes

How did the resources received impact student learning?: We have upgraded the two classrooms dedicated to instruction in Anatomy and Physiology. In ST211, we have removed an ancient, un-necessary, non-functional fume hood and replaced it with a tall glass display case filled with instructional anatomical models used for Human Anatomy and Biology 1 Labs.

ST211: Aging desk furniture was replaced with more comfortable ergonomic desks.

In ST 207, we have upgraded the instructional computer hardware and added a new selection of instructional anatomical models.

If you requested resources but did not receive them, how did that impact student learning?: We requested new microscopes to upgrade from the old ones in ST211. This request is still in progress. We have been sampling potential brands for update, and plan to carry over the request to this Program Review.

Program Data Highlights Section

COR Review: CORs for AMY 2A, AMY 2B and AMY 10 are updated and filed

Program Goal: Increasing Full time faculty and staff for AMY.

First: Since 2014, one goal for Anatomy and Physiology at Norco has been the addition of a third full time faculty member to accommodate the increasing demand for the 2A and 2B classes. We are actively interviewing candidates for this position and we will be sending our choices forward to the administration on May 5th for consideration. So, while this goal has not yet been completed, completion is imminent and we should achieve this goal

Second: Also, since 2014, one of our goals (for Anatomy and Physiology as well as for other science labs) at Norco has been the addition of another full time staff member to prep the labs for the ever increasing sections that we will be offering. With the increasing demand for the 2A and 2B classes the current laboratory staff is stretched to their maximum effort but we, so far have not been able to approve a new hire to accommodate the drastically increasing student demand for these classes. So, while this goal has not yet been completed.

Third: From the 2014 program review, "For the four faculty at Norco College that teach Anatomy and Physiology either AMY 10 or the AMY 2A-2B sequence (two are full time and two are part time), ongoing professional development is part of our professional nature. Professor Standen is active in the American Association of Physical Anthropologists, which is a subject that has profound and interesting relevance to human anatomy. I personally (Prof. Sternburg) am associated with the Society of Integrative and Comparative Biologists and I am a lifetime member of the Sigma Xi Society for Distinguished Research. We all support the American Association for the Advancement of Science through our journal subscriptions. I have been a reviewer of Human Anatomy and Physiology Textbooks published by McGraw Hill Co. I am also the author of most of the books used in my AMY 2A and, 2B classes. We engage in ongoing dialogue concerning the subjects we teach and constantly inform each other of new developments in the field, relevant books and publications and new ideas that put an interesting spin on old concepts for our courses. We associate with the other faculty in the science department as well and there is an ongoing collegiate dialogue that benefits us all and the students are rewarded by this. Physiology is a dynamic field and it is currently in a period of important development new insights abound in the field and, for the most part, have not made their way into the textbooks. Keeping up with the field and bringing new information to the group is in our nature as scientists and reflective of the interest and dedication that all of us bring to this small group in our biology department (this goes beyond just AMY into Microbiology, Genetics, Bio 11 and 12, Ecology and Botany as well). All of our science faculty are top notch scientists in their own right. It is in our nature to collaborate and we have not felt as a group that we require any support or funding from the college to support what we do naturally anyway." However! (and this is the key point) The laboratory science faculty group as a whole has a goal of achieving online access to a larger source of updated scientific literature that our campus library has to offer. Currently we must physically go and visit the local university science libraries. UCR alumni among our faculty have this access, but the rest of us do not. We are aware that there are open access journals that anyone can find online, but this is only marginal access to the complete online literature. We would like to see an effort put forth to achieve this kind of access for Norco's faculty.

Fourth. The college itself has the goal of achieving greater diversity among our faculty to more accurately reflect the diversity of our student population. We are currently engaged in hiring a new full time faculty member for AMY. The results are pending.

Goal Status: In Progress

Goal Year(s): 2014 - 2017

Program Review - Instructional: Anatomy and Physiology

Start Date: 05/01/2018

Completion Date: 05/01/2018

How do your goals support the Educational Master Plan?: By providing increased faculty, staff and access to information, the faculty keeps up with changing trends in science that affect changing information in the classroom thus better serving our students.

This Program Goal Supports the selected EMP Goal(s) and Objective(s): Goal 1 Objective 8: