

The Instructional (Academic Affairs) Program Review Narrative Report

1. College: *Laney College*

Discipline, Department or Program: *Construction Management*

Date: *11/13/12*

(Due by November 13, 2012)

Members of the Instructional Program Review Team:

Cynthia Correia Dept Chair, Marie Kline P/Tfaculty

2. Narrative Description of the Discipline, Department or Program:

The mission of the Construction Management Department at Laney College is to train and prepare students for careers in the Construction Management Industry, either Schedulers, Building officials, Estimators and Project Supervisors and Managers. Our students are trained in computer programs such as Primavera, Excel and Word documents. Our program is designed to allow entry- level students and people already working in the industry to learn the fundamental and upgrade their skills in Construction Management of new residential homes and commercial building. Our goal is to prepare students for advancement in building management occupations.

See Attachment A for the overview of the Priorities and Goals of Laney College.

3. Curriculum:

- a. Is the curriculum current and effective? Have course outlines been updated within the last three years?

No, there has not been a Department chair or full time faculty for 5 years. I am acting as an Interim Chair for 2012-2013

Currently the curriculum is outdated and needs to be re- done. We need to revamp the entire degree and the certificate program. The content needs to be shifted and reevaluated to address current changes in industry and computer technology.

- b. Please indicate how many active courses are in the department inventory.

20

- c. How many of those have been updated in the last 6 years?

0

- d. If courses have not been updated within the last 6 years, what plans are in place to remedy this?

The entire curriculum needs to be upgraded.

- e. Has your department conducted a curriculum review of course outlines? If not, what are the plans to remedy this?

The new full time hire in 2013 will need to begin this process. I suggest that help in the form of an office assistant or mentor for this person, be written into a Perkins grant. Curriculum, instructors and reorganization of the department is needed.

- f. What are the department's plans for curriculum improvement (i.e., courses to be developed, updated, enhanced, or deactivated)? Have prerequisites, co-requisites, and advisories been validated? Is the date of validation on the course outline?

The plan is to review all course currently offered and update course outlines as well as add any new classes, such as IPD intergrated project delivery (visualization of project scheduling)

- g. What steps has the department taken to incorporate student learning outcomes (SLOs) in the curriculum? Are outcomes set for each course? If not, which courses do not have outcomes?

We are working on the SLO'S for this department's courses.

- h. If applicable, describe the efforts to develop outcomes at the program level. In which ways do these outcomes align with the institutional outcomes? (Note: if your department has no certificate or degree offerings and does not offer a course as part of one of the College's associate degree programs, then skip questions 3.h.

Program level outcomes will not be done until the new instructor is hired and had time to evaluate the department and courses.

- i. and 3.i.)

The goals of the program align with the ILO's for CTE (paste CTE ILO)

Laney College CTE Institutional Learning Outcomes (ILOs)

Career Technical Education

Students will demonstrate computational skills in keeping with the demands of their field of study.

Global Awareness, Ethics and Civic Responsibility

Students will be prepared to practice community engagement that addresses one or more of the following: environmental responsibility, social justice and cultural diversity.

Personal and Professional Development

Students will develop their knowledge, skills and abilities for personal and/or professional growth, health and well being.

- j. Provide one program level outcome (PLOs), and the assessment tool that will be used to measure the program level outcome this fall 2012 and spring 2013.

Students will communicate effectively in the technical language of the Construction Management industry including written verbal and math computation skills.

These will be assessed utilizing a rubric used to analyze planning documents and skills

- k. How are the SLOs and PLOs, if applicable, mapped to the college's Institutional Learning Outcomes? (See Attachment B for copy of the Laney College Institutional Learning Outcomes (ILOs)

They will be aligned with the ILO's and will be mapped.

- l. Recommendations and priorities.

See Attachment C for listing of the courses in your discipline/department. If applicable, this document also lists the certificate and degree programs offered. Be sure to check the appropriate boxes and submit completed forms as part of this Program Review.

N/A at this time

4. Instruction:

- a. Describe effective and innovative strategies used by faculty to involve students in the learning process. How has new technology been used by the department to improve student learning?

Primavera the industry standard Construction scheduling program was purchased and is being taught in the scheduling classes. We hope to use this program more extensively in other classes.

We are currently exploring advances in the industry called IPD (integrated project delivery) which is used by some of the largest construction firms. We would like to incorporate this into our curriculum in the coming year. Building Information Modeling (BIM) is also an emerging aspect of construction management that will be incorporated into the revised curriculum.

- b. How does the department maintain the integrity and consistency of academic standards within the discipline?

The integrity of this program has suffered without the leadership of a full time instructor/ Dept Chair. Most classes are evening classes taught by part time instructors. These instructors are not able to participate in department duties. Evaluations of these instructors were done and the new chair should meet with the evaluators in order to make continuing faculty hires.

- c. Discuss the enrollment trends of your department. What is the student demand for specific courses? How do you know? Identify factors that are affecting enrollments.

Enrollment is down compared with a few years ago. We attribute this to a few factors:

**The lull in the economy has created a downturn in the construction industry and there were many construction managers out of work.*

**The department has suffered in the absence of a full time instructor to anchor the department and keep the curriculum refreshed.*

- d. Are courses scheduled in a manner that meets student needs and demand? Please describe the criteria and considerations used in the scheduling process.

Classes are taught mostly in the evening which works for working adult learners. In the future we may add day courses to meet demand during the day as well as night classes.

Recommendations and priorities.

We will look at updating the certificate and A.S degree in Construction Management.

5. Student Success:

- a. Describe student retention and program completion (degrees, certificates, persistence rates) trends in the department. What initiatives can the department take to improve retention and completion rates?

We have seen a decrease in student success. Since the department has been limited to part time instructors with minimal departmental leadership, certainly the quality of instruction has suffered.

- b. Identify common challenges to learning among your students? What services are needed for these students to improve their learning? Describe the department's efforts to access these services. What are your department's instructional support needs?

Many students are lacking hands on construction experience, which is very valuable to understanding the construction management process. To address this we are encouraging students to take courses in the Carpentry Department and that the Carpentry and Construction Management students run our off campus projects. The two dept chairs need to collaborate on future projects and promote student involvement in campus projects such as the BEST Center Project.

Describe the department's effort to assess student learning at the course level. Describe the efforts to assess student learning at the program level. In which ways has the department used student learning assessment results for improvement?

As of now the SLO's and PLO have not been completed for any course. We are currently working on the SLO's; the new full time instructor being hired this spring will map out the program SLO's.

Please either embed or attach data that you will be referencing. Use the Program Review data applicable to your department supplied by your Dean. In addition, the following link, (<http://web.peralta.edu/indev/research-data/documents/>), will take you to more data that you may find helpful as you study the overall efforts and impact of your unit. See the appropriate tab in attachment C referencing the assessment data.

6. Human and Physical Resources (including equipment and facilities)

- a. Describe your current level of staff, including full-time and part-time faculty, classified staff, and other categories of employment.

**We have (0) full time positions*

** Fall 2013.*

**We currently have (8) part time staff, which will drop to 5 once the vacant full time position is filled.*

**P/T staff for Fall 2013 - 5*

**We need (1) part time support staff position funded by Perkins Funds to assist in the completing the needed curriculum development work.*

Describe your current use of facilities and equipment.

Currently we teach in a smart classroom in G130 for some of our classes. Other classes are taught in the Architecture Department G246. In the future all classes can be moved to G246 assuming there is not a schedule conflict and a new office and storage room are created for CM .

- b. Are the human and physical resources, including equipment and location, adequate for all the courses offered by your department (or program)? What are your key staffing and facilities needs for the next three years? Why?

G130 is too noisy due to the dust collection system operating next door, and consideration should be given to moving classes to other locations, especially in the Architecture department.

We would need tables to spread out construction documents in a smart classroom.

We need a dedicated office for the department chair as well as a storage room.

- c. If your department experienced a reduction in resources, describe the impact of that reduction on the overall educational quality of your unit and the College.

The department has been operating for five or more years with minimum resources. The department will need a larger budget next year to support the new full time instructor.

- d. How does the department plan to sustain the quality of instruction and/or services offered through your department in the current environment of reduced resources?

The college is currently hiring an experienced full time instructor so that the department can be revitalized. that has extensive experience in the field as soon as possible so that the success of this department can be realized.

- e. What does the department recommend that the college do to maintain quality educational programs and services?

Complete the hiring process for the full time faculty member. This person will be able to recruit new part time faculty who share a common vision and passion for the goals of the department.

- f. Please provide any other recommendations and priorities. (Use the appropriate request forms within Attachment D.)

We need to address student to computer ratios in our smart class rooms and make sure that we are teaching to industry standards. The advisory board for the department must be reinvigorated in order to guide the Construction Management into the future with state of the art education.

7. Community Outreach and Articulation

For Career and Technical Education Programs:

- a. Describe the department's connection with industry. Is there an Advisory Board or Advisory Committee for the program? If so, how often does it meet? Is the program adequately preparing students for careers in the field? How are you assessing this?

Due to the vacancy of the full time position, there has been no one available to coordinate the Advisory Committee.

- b. Have students completing the program attained a foundation of technical and career skills? How do you know? What are the completion rates in your program?

Our students have a solid background in Construction Management but do not have sufficient practical experience in order to advance their career skills. This needs to be remedied.

- c. What are the employment placement rates? Include a description of job titles and salaries. What is the relationship between completion rates and employment rates?

*Project Manager \$100K yrly
Project Superintendant \$ 85K yrly
Building Inspector \$ 85K yrly
Construction Manager \$12K5 yrly*

About 60% of our students are already working in the industry but do not have the proper degree needed in these trades. They are trying to upgrade their education in order to up their income and experience. The 40 % without jobs will need to continue their education in order to get hired in the current economy.

What are the employment projections (numbers of replacement and new positions) for these job titles over the next 10 years using the California Employment Development Department Labor Market Information? (<http://www.labormarketinfo.edd.ca.gov/Content.asp?pageid=1004> , and <http://www.laney.edu/wp/educational-master-plan/2010-educational-master-plan/> for the Laney College Educational Master Plan, Chapter II, pps. 18-30.)

Employed is projected to rise 32% in the commercial sector due to the changes in the economy according to the labor market projections. We have already witnessed this in the Bay Area with the advancement of the West Oakland Redevelopment projects and building of public projects.

- d. What industry trends are most critical for the future viability of the program? What are the implications of these trends for curriculum development and improvement?

Integrated Project Delivery or what is referred to as “Lean Construction” is the direction in which the construction management industry is heading. Building Information Modeling (BIM) is another key component of current trends which will be addressed in the curriculum revision next year.

For all instructional programs:

- e. Describe the department’s efforts to ensure that the curriculum responds to the needs of the constituencies that it serves.

The curriculum will be updated and revised according to industry trends.

- f. Please indicate how many of the full and part time faculty have been evaluated in the last three years. For faculty that have not been evaluated in the last three years, what are your plans to become current.

- g. *8 out of nine part time faculty were evaluated in 2012. The new full time instructor/ Department Chair should meet with the evaluators (Cynthia Correia and Ron Betts) to better understand the scope of changes needed with faculty.*

- h. Recommendations and priorities.

Key is completing the hiring process for the full time instructor.

