YEARLY PLANNING DISCUSSION TEMPLATE
General Questions

Program Name <u>Architecture</u>　　　　**Academic Year** 　<u>2022-23</u>

1. Has your program mission or primary function changed in the last year?
No

2. Were there any noteworthy changes to the program over the past year? (e.g., new courses, degrees, certificates, articulation agreements)
   - Five additional courses were articulated with Cal Poly's architecture program making the total articulated courses eight. This articulation agreement will help attract and retain students.
   - We are revising the architectural drafting curriculum to help students with a smooth transfer to a university program. In addition, the certificate of accomplishment program is being changed to a certificate of achievement. Courses in the new certificate program are closely aligned with university transfer requirements.
   - A new 8-unit certificate is being added to help students quickly acquire knowledge and skills to function as entry-level CAD (Computer Aided Drafting) drafters. This is a Certified Revit User certificate which can be completed in two semesters.

3. Is your two-year program map in place and were there any challenges maintaining the planned schedule?
   - There was the challenge of offering evening classes for those who work during the day.
   - We are offering one evening class in Architectural Graphics & Design I and another evening class covering CAD (Computer Aided Drafting).
   - With three part-time faculty, we plan to offer more evening classes in spring 2024.
   - Outreach and- marketing efforts will be enhanced to make more students aware of the opportunity to take evening classes.

4. Were there any staffing changes?
   - The program lost one part time instructor but gained three part time instructors for a net gain of two. The total number of part-time instructors is three plus the full-time instructor/program coordinator.

5. What were your program successes in your area of focus last year?
   - Succeeded in articulating five additional courses with Cal Poly. Making the total articulated courses eight.
   - Offered the new course Sustainable Design Methods & Technology for the first time in the spring of 2023. 19 students enrolled and successfully completed the course.
   - Offered a new course in CAD (Computer Aided Drafting) for architecture.

Learning Outcomes Assessment

   a. Please summarize key results from this year's assessment.

The program learning outcome assessed in the spring of 2023 was ARCH PLO 4: Produce a comprehensive architectural project that demonstrates capacity to make design decisions across scales. 100% of the advanced students who enrolled in ARCH 152: Architectural Design Studio II either met or exceeded expectations.

b. Please summarize your reflections, analysis, and interpretation of the learning outcome assessment and data.

The above data is a good indicator that the architecture program efforts of building up the necessary knowledge and skills is effective.

c. Please summarize recommendations and/or accolades that were made within the program/department.

The architecture program is in the process of developing a few additional courses that are needed to help students transfer to a university program such as Cal Poly. The courses include history of architecture, Survey of Architectural Education and Practice, and Introduction to Architecture & Environmental Design. These courses once articulated will increase the total of articulated courses to 12-13. As a result, students will spend their first two years at Hancock before transferring out to a university program.

In addition, steps have been taken to develop a certificate program that can help students complete its requirements in two semesters. The Certified Revit User certificate program can significantly increase a student's chances of employment as a CAD drafter. A second effort on the way is to facilitate the taking of the Certified Revit User/Certified Revit Professional Exam on our campus.

d. Please review and attach any _changes_ to planning documentation, including PLO rubrics, associations, and cycles planning.

There is a need to review Program Learning Outcomes, assessments and the SPOL program/data with all the program faculty in the assessment cycle. These activities require time and effort. As a result, it is necessary to create a program coordinator position with reasonable FTE.

Distance Education (DE) Modality Course Design Peer Review Update (Please attach documentation extracted from the _Rubric for Assessing Regular and Substantive Interaction in Distance Education Course_s)

   a. Which courses were reviewed for regular and substantive interactions (RSI)?
      N/A
   b. What were some key findings regarding RSI?
      N/A
      - Some strengths: N/A
      - Some areas of improvement: N/A
   c. What is the plan for improvement?

N/A

CTE (Career and Technical Education) two-year review of labor market data and pre-requisite review

a. Does the program meet documented labor market demand?

   SLO (San Luis Obispo) and SB (Santa Barbara) Counties have a combined total of 271 jobs. An average area of this size typically has 243 jobs. This higher-than-average supply of jobs may make it easier for workers in this field to find employment in this area. The average monthly hires for architectural and civil drafters (Jan 2023 - Jun 2023) was 12.
   See:
   https://www.hancockcollege.edu/ie/documents/F23_Architectural_and_Civil_Drafters.pdf

b. How does the program address needs that are not met by similar programs?

   The Architectural Technology program is the only program in Santa Barbara County which offers students a transfer path to a university. Eight courses have been articulated with Cal Poly's architecture program. In addition, the architecture program offers courses in BIM (Building Information Modeling). Knowledge and skills in BIM are now required by all large architecture firms.

c. Does the employment, completion, and success data of students indicate program effectiveness and vitality? Please, explain.

   In 2022-23 a total of seven degrees were awarded; an increase of 133% over the previous year, see: https://www.hancockcollege.edu/ie/Program%20Review%20Awards.php . In addition, the average monthly hires, in SLO and SB Counties, for architectural and civil drafters (Jan 2023 - Jun 2023) was 12. This shows a need for skilled drafters. The architectural technology program continues to help students develop knowledge and skills in drafting technology.

   Retirement risk is high in the SLO and SB County area. The national average for an area this size is 61 employees 55 or older, while there are 71 here. As a result, more skilled drafters will be needed to fill the retirement gap.
   See:
   https://www.hancockcollege.edu/ie/documents/F23_Architectural_and_Civil_Drafters.pdf

d. Has the program met the Title 5 requirements to review course prerequisites, and advisories within the prescribed cycle of every 2 year for CTE programs and every 5 years for all others?

One of the challenges of meeting such demand is the limited availability of coordination time. This activity requires substantial time and effort to complete. As a result, it is especially important to increase coordination time to .2 FTE.

    e.   Have recommendations from the previous report been addressed?

Use the tables below to fill in **new resources** and planning initiatives that **do not apply directly to core topics. *This section is only used if there are new planning initiatives and resources requested.***

Sample:

New Program Planning Initiative – Yearly Planning Only	
Title:	*Program Coordinator Time and Effort*
Planning years:	2023-24 to 2024-25

Description:
The program coordination of the architecture department FTE is currently 0.1. This value is inadequate given the time and effort needed to run the program.

Resources:
Priority Level: Low   Medium   **High** **Resource Type:** Equipment **Staff** Faculty   Supplies and Materials **Quantity: .2 FTE** **Per Item Price: $180 per .1 FTE ($360/ week)**   **Price with taxes/shipping, etc.: $17,280 per year**
Description: Increase the architecture coordination FTE from 0.1 to 0.2 to adequately cover the time and effort involved in the program management.

Area of Focus Discussion
EDUCATION AND INDUSTRY PARTNERSHIPS
ARCHITECTURAL TECHNOLOGY

Education and Industry Partnerships – review relationships with four–year institutions including preparation for transfer and changes in major requirements assess employment and review employment and the needs of employers and regional partners. Sample activities include the following:

- Review academic transfers and associate degree for transfer alignments.
- Review articulation agreements.
- Review C-ID (course identification system) modifications.
- Integrate advisory committee recommendations and regional training needs.
- Review CTE (career and technical education) labor market information and trends.
- Explore collaborations, internships and externships, and cooperative work experience opportunities.
- CTE unit completion goals in the Student-Centered Funding Formula and CCCCO Vision for Success.

1. What data were analyzed and what were the main conclusions?

Data analyzed include articulation agreements, academic transfers and associate degree for transfer alignments, advisory committee recommendations and regional training needs, and career and Technical Education (CTE) labor market information and trends. Main conclusions are:

- More articulation is needed with other higher education institutions.
- The labor market data shows a need for racial and gender diversity.
- There is a need to diversify certificate tracks to include areas such as green building designer, building information modeler, and plans examiner.

2. Based on the data analysis and looking through a lens of equity, what do you perceive as challenges with student success or access in your area of focus?

- There is a limited number of CSU and UC architecture schools in California.
- Limited awareness of related fields in planning, design, and construction offered by universities.
- There is a high demand for drafting software including AutoCAD and Revit. Consequently, more sections of these courses are needed as needs arise.
- There is a need to enhance outreach activities and promotional materials.
- More space is needed to meet the needs for future growth.
- There is a need to allocate adequate compensation for program coordination time and effort.

3. What are your plans for change or *innovation*?

- Explore higher education opportunities outside of California including out-of-state universities participating in the Western Undergraduate Exchange Program (WUE).
- Make students aware of other related planning, design, and construction disciplines including structural engineering, city and regional planning, landscape architecture, and construction management.

- Add degrees and certificates related to planning, design, and construction disciplines including construction management, building codes, green building design, plans examiner training, and building information modeling (BIM).
- Collaborate with the STEM center to engage students and the community through hands-on learning activities including environmental awareness, and passive solar design concepts.

4. How will you *measure* the results of your plans to determine if they are successful?

- Track acceptances to higher education in various planning, design, and construction disciplines.
- Track internships and employment of students/program graduates and work with employers on ways to increase entry-level qualifications.
- Track completion of degrees and certificates.

Based on the narratives for the prompts above, what are some program planning initiatives and resources needed for the upcoming years? Use the tables below to fill in **NEW** resources and planning initiatives. ***This section is only used if there are new planning initiatives and resources requested.***

	Definition	Sample
Mission	The values and philosophy of the program, a vision of what the program is supposed to do.	The Architectural Technology program vision is to provide students with the knowledge and skills they need for entry-level positions in the building design and construction industry. In addition, the program is committed to preparing students to transfer to universities that offer degrees in architecture and building construction-related areas.
Goals	The general aims or purposes of the program and its curriculum. Effective goals are broadly stated, meaningful, achievable and can lead to assessable outcomes.	To provide students with the skills they need for entry-level positions in the building industry, including architectural interns, architectural drafters/CAD technicians, and technical/production support staff within architecture firms. Furthermore, the program prepares students to transfer into a professional program at a university.
Program planning initiatives	Program planning initiatives are specific activities that a program would need to complete to achieve goals and mission.	Increase outreach activities to close the inequity gap. Support new degrees and certificates by providing funding for educational and operational supplies.
Actions/ Resource Request	These are the specific actions/resources needed to complete a planning initiative.	Engage students and community through hands-on learning activities.

The tables below are to create objectives/planning initiatives that come from the discussion and narrative above.

New Program Planning Initiative
Title: Sustainable Design Exhibits/Outreach
Planning years: 2021-22 to 2024-25

Description:

Collaborate with the STEM center to engage students and the community through hands-on learning activities including environmental awareness, and passive solar design concepts.

Resources:

Priority Level: Low   Medium   (High)
Resource Type: Equipment Staff Faculty Supplies and Materials
Quantity: 1
Per Item Price: $17,777   **Price with taxes/shipping, etc:** $21,477
Description:
A heliodon is a device used to simulate the sun's path across the sky and its effect on a building's orientation, shading, and daylighting.

Resources:

Priority Level: Low   Medium   (High)
Resource Type: Equipment Staff Faculty Supplies and Materials
Quantity: 5
Per Item Price: $399.99   **Price with taxes/shipping, etc:** $2,181.48
Description:
GoPro cameras are known for their compact size, wide-angle lens, high frame rates, and advanced image stabilization. The Cameras will be used to capture interior images of architectural models.

Resources:

Priority Level: Low   Medium   (High)
Resource Type: Equipment Staff Faculty Supplies and Materials
Quantity: 5
Per Item Price: $210
                        Price with taxes/shipping, etc.: $1,300
Description: HOBO Temp/RH/Light/Ext-Analog Data Logger Bluetooth enabled logger

New Program Planning Initiative	
Title:	**Program Coordination Time and Effort**
Planning years:	2023-24 to 2024-25

Description:

Increase program coordination FTE to account for the time and effort needed to effectively manage the program.

Resources:

Priority Level: Low   Medium   **High**
Resource Type: Equipment Staff Faculty Supplies and Materials
Quantity:.2 FTE
Per Item Price: 180 per .1 FTE   Price with taxes/shipping, etc: 360/week
Description: Assign a .2 FTE to the coordination time and effort.

Program Review Signature Page:

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Program Review Lead

9/23/2023
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Date

Thomas Lamica
Thomas Lamica (Sep 25, 2023 12:09 PDT)
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Program Dean

Sep 25, 2023
_____
Date

_____
Vice President, Academic Affairs

Oct 4, 2023
_____
Date

ARCH 2022-23 Program Review

Final Audit Report   2023-10-05

Created:	2023-09-25
By:	Kara Mushegan (kara.mushegan@hancockcollege.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAmZ7BJGOFSqvFdglfwVlBRh12Fyo3Eafp

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