

## V. PROGRAM OUTCOMES, ASSESSMENT AND IMPROVEMENTS

A. Attach or insert the assessment calendar for your program for the next program review cycle.

Program Assessment Cycle Calendar ARCHITECTURE

CYCLE STAGE	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020
SLO Assessment	Arch 205 Arch 221 Arch 232 Arch 242 Arch 251	Arch 201 Arch 222 <del>*Arch 230</del> Arch 244 <del>*Arch 245</del> <del>*Arch 246</del> Arch 252	<del>*Arch 248</del>	Arch 180					
Analyze Results & Plan Improvements			Arch 201 Arch 205 Arch 221 Arch 232 Arch 242 Arch 251	Arch 222 Arch 230 Arch 244 Arch 252					
Plan Implementation					Arch 201 Arch 205 Arch 221 Arch 232 Arch 242 Arch 251	Arch 222 Arch 230 Arch 244 Arch 252			
Post-Implementation SLO Assessment							Arch 201 Arch 205 Arch 221 Arch 232 Arch 242 Arch 251	Arch 222 Arch 230 Arch 244 Arch 252	

\*Indicates the course was cancelled or not offered that semester

B. Have you completed all course assessments in eLumen? If no, explain why you were unable to do so during this program review cycle and what plan(s) exist for completing this in the next program review cycle.

With the exception of our LEED courses, Arch 245, 246 and 248, which have not been offered during this CPPR cycle, all scheduled course assessments are complete.

- C. Include the most recent “PLO Summary Map by Course” from eLumen which shows the Course-level SLOs mapped to the Program-level SLOs.

AS_ARCH_TECH	Advance/articulate completed course work towards university transfer into 4 or 5 year Architecture programs or related majors	Apply fundamental principles of architectural design theory and practice	Apply the principles of design communication as they apply to architectural project delivery.
Courses AS_ARCH_TECH <input checked="" type="checkbox"/> Include inactive Courses			
ARCH201 - Intro Arch/Envir Design			
Define some of the fundamental ways buildings might be understood as "architecture"	✓	✓	
Employ a critical framework for analyzing and evaluating buildings as works of architecture.	✓	✓	✓
Describe the nature of professional life in different types of architecture firms.	✓		✓
Recognize the dynamics of the current market for architectural services.	✓		✓
Identify and analyze the relationship between architects and the greater society in which they operate.	✓		
Explain how the various environmental design professions relate to each other.	✓	✓	
Define "sustainable society" and discuss how the environmental design professions can address this issue.	✓	✓	
ARCH221 - Design & Visual Commun I			
Construct proportionally accurate scale models of existing and imagined objects and environments.		✓	
Using various "analog" drawing media (i.e. pencils, pens, markers), drafting tools (i.e. triangles, scales, T-square or parallel...	✓		✓
Construct, BY HAND, proportionally accurate one- and two-point lineal perspectives of existing and imagined objects and...	✓		✓
Create a range of implicitly and explicitly defined shapes, spaces and forms.	✓	✓	
Employ the basic design concepts of size, shape, surface, material, context, number, variety and relationship (pattern, rhythm,...	✓		
Generate diverse alternatives and develop final solutions to defined two- and three-dimensional design problems.	✓		✓

AS_ARCH_TECH Courses AS_ARCH_TECH <input type="checkbox"/> Include inactive Courses	Advance/articulate completed course work towards university transfer into 4 or 5 year Architecture programs or related majors	Apply fundamental principles of architectural design theory and practice	Apply the principles of design communication as they apply to architectural project delivery.
ARCH222 - Design & Visual Commun II			
Employ with greater effectiveness and subtlety the principles, concepts, methods, and skills introduced and developed in Arch...	✓	✓	
Employ a variety of graphic techniques (i.e. bubble diagram, area diagram, matrix, network) to visually represent quantitative...	✓	✓	
Employ drawing systems and conventions (orthographic, plan oblique, and lineal perspective) to communicate design intentions and...	✓		
Use words and drawings to systematically gather, represent, refine, and present a range of information from natural and/or...	✓		✓
ARCH232 - Arch Computer Graphics			
Use computer hardware and software configurations to visually communicate building design information.	✓	✓	✓
Employ digital file cataloging and storage procedures.			✓
Employ computer aid drafting and building information modeling tools to create digital presentations.	✓	✓	✓
Create digital 3-D models using realistic applications of construction materials.	✓	✓	✓

AS_ARCH_TECH Courses AS_ARCH_TECH <input type="checkbox"/> Include inactive Courses	Advance/articulate completed course work towards university transfer into 4 or 5 year Architecture programs or related majors	Apply fundamental principles of architectural design theory and practice	Apply the principles of design communication as they apply to architectural project delivery.
ARCH242 - Intro Arch Practice			
Use and represent three-dimensional buildings, and their components, as two-dimensional orthographic images.	✓	✓	✓
Employ architectural drawing conventions and standards to coordinate a set of construction drawings.	✓	✓	
Create common light wood framing and finish construction details.	✓	✓	✓
Apply the principles of site planning and site grading.			
ARCH244 - ARCH Environ System			
Effectively research and identify site specific micro climate data.	✓	✓	
Use relevant climate data to complete bioclimatic analysis and implement appropriate passive building strategies.	✓	✓	
Evaluate thermal comfort and lighting strategies for effectiveness and make appropriate modifications.	✓	✓	

AS_ARCH_TECH Courses AS_ARCH_TECH <input type="checkbox"/> Include inactive Courses	Advance/articulate completed course work towards university transfer into 4 or 5 year Architecture programs or related majors	Apply fundamental principles of architectural design theory and practice	Apply the principles of design communication as they apply to architectural project delivery.
ARCH251 - Arch Design Fund I			
Apply principles and elements of composition in two- and three- dimensional designs and presentations.	✓	✓	✓
Manipulate architectural elements to define forms and spaces.	✓	✓	✓
Manipulate architectural elements in response to functional issues and constraints.	✓	✓	
Define in words and diagrams the central concept, or "parti," of a design.	✓	✓	
Recognize and identify the principles and elements of composition operating in the built environment.	✓	✓	
ARCH252 - Arch Design Fund II			
Apply principles and elements of composition in two- and three-dimensional designs and presentations.	✓	✓	✓
Manipulate architectural elements to define forms and spaces.	✓	✓	
Manipulate architectural elements in response to functional issues and constraints.	✓	✓	✓
Define in words and diagrams the central concept, or "parti," of a design.	✓	✓	✓
Recognize and identify the principles and elements of composition operating in the built environment.	✓	✓	

- D. Highlight changes made at the course or program level that have resulted from SLO assessment.

Architecture continues to make ongoing refinements to lectures and assignments based on SLO assessments, advisory committee feedback and daily observation of student performance.

- E. Identify and describe any budget or funding requests that are related to student learning outcome assessment results. If applicable, be sure to include requests in the [Resource Plan Worksheet](#).

For the year 2018-19 Architecture is forecasting the following recourses outlined in our 2018 Resource Plan Worksheet.

- Upgrade drafting tables and chairs in 4115.
- Fund new digital fabrication lab (CNC Laser Cutters and 3d printers)
- Replace data projectors and instructor stations in 4115 and 4116.
- Fund software purchases and upgrades.
- Fund new faculty office computer.
- Funding support of off campus field trips.
- Fund annual ACSA, AIA and USGBC membership fees. Funding for membership in the Coalition of Community College Architecture Programs (CCCAP).
- Support and funding for out of state professional development opportunities such as the AIA national convention and Autodesk's national convention
- Ongoing funding for outside hosting of Cuesta's architecture program website.