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COURSE DESCRIPTION

Approved Continuing Education

402 Facilities Master Planning APPAU2019091 Review the concepts of institutional and strategic planning and its importance in guiding the future development of the campus. Examine how institutional and academic initiatives interast with facilities planning. Learn about the principle and fundamental of campus master planning of the principle of the campus. Examine how institutional and exademic initiatives interast in house's as opposed to hiring "outside comultaints" Diversities the interaction of preparing a long-range institutional plan - its relationship to the Academic Plan, and related planning for the development of utilities, infrastructure, and supporting facilities (c.a. housing parking and transportation, recreation). The focus of the course is on general principles of campus planning with an emphasis on the protectial splation of the planning process.

LEARNING OBJECTIVES

- 1. Review the concepts of strategic planning
- 2. Discuss the pros and cons of in-house planning as opposed to hiring consultants.
- 3. Learn practical applications of the planning process.
- 4. Discuss the importance of preparing a long-range institutional plan.



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TABLE INTRODUCTIONS

Survey

- Where are you from?
 - 。 (East Coast, Midwest, Rocky Mtn, West Coast
- What is your institution type?
 - Community College, Regional Comprehensive, Research/Flagship?
 Public vs Private?
- What is your Facilities Department?
 - PD&C, Utilities, HVAC, Grounds, Carpentry, Environmental Services, Administration?

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LOCATION OF THE OLDEST UNIVERSITY?



D. United States

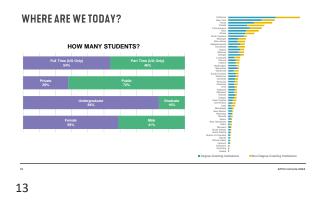


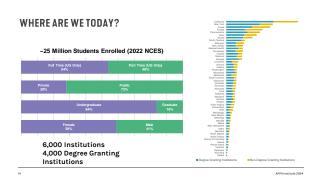
OLDEST UNIVERSITY IN THE UNITED STATES?

- A. Yale University
- B. William & Mary
- C. St John's College, Annapolis
- D. Harvard

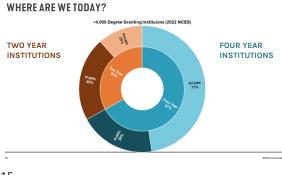
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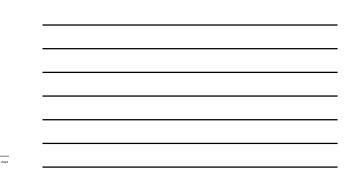
















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WHY DO WE DO IT?



- AVOID COSTLY MISTAKES
- Growth/Decline in Enrollments
- Qualitative Issues/Building Renewals
 Improve the Environment
- Success of the Programs
- Community
- Prepare Successors
- Legacy (Person/Event/Place)
- Mandated by Others

and the list goes on......



GROWTH OVER THE YEARS

- One Building
 Initial Growth
- Fire/Rebuild Land Grants
- Wars
- Sports
- GI Bill
- 60's Explosion
- Confusion/Investment
- "Enrollment Cliff"

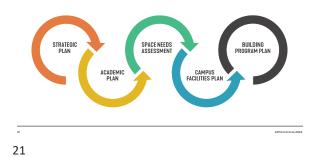




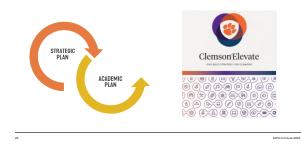


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LEVERAGING THE PLANNING PROCESS



THE HIGH LEVEL PLANNING PROCESS

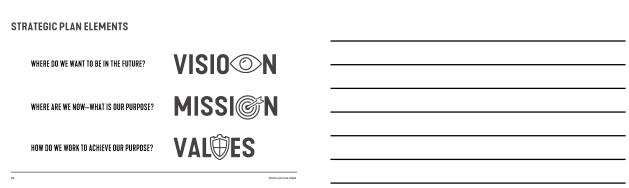


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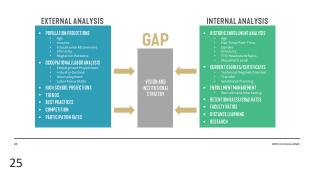
STRATEGIC PLAN GOALS

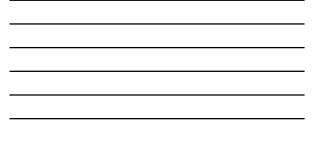


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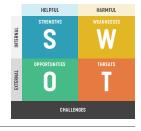
STRATEGIC PLANNING ANALYSIS





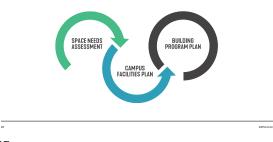
SWOT-CANALYSIS

- Strengths are defined as skills, competencies, capabilities, competitive advantages, or resources for which CUSD can draw in selecting its future direction of action.
- Weaknesses are defined as the lack of skills, competencies, capabilities, or resources needed by CUSD to function effectively.
- Opportunities are situations in the environment (local, state and national) from which CUSD can benefit if certain actions are taken.
- Threats are situations in the environment which give rise to potentially harmful events and outcomes if action is not taken in the immediate future.
- Challenges refers to those pressures that exert a decisive influence on CUSD's likelihood of future success.



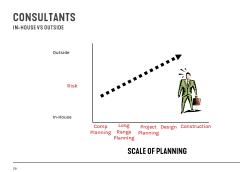
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THE PHYSICAL PLANNING PROCESS

















ENGAGEMENT APPROACHES

- Campus VisitsWorkshops
- Open Forums
- Pop-Up SessionsFocus Groups
- Physical Models
- CharrettesWebsite



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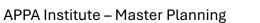
DIGITAL ENGAGEMENT TOOLS

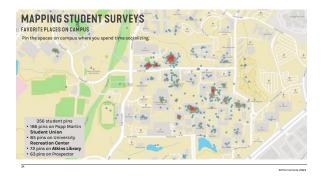


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SURVEY: DRIVING AND WALKING







MAPPING STUDENT SURVEYS



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GENERATE BIG IDEAS BALANCE HISTORICAL CONTEXT WITH FUTURE NEEDS



OPTIMIZE LEVERAGE EXISTING ASSETS fore ideas to make better use of existing triese by improving utilization, modifying triese by improving utilization, modifying



EXPAND EXPLORE EXPANSION OPPORTUNITIES Consider areas for possible campus expansion to allow for growth in place to address future media related to research, seedemics, and student III6



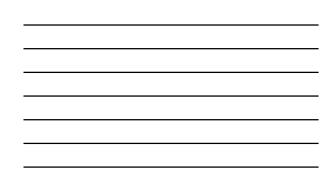


EXPLORE ALTERNATIVE APPROACHES EVALUATE POSITIVE AND NEGATIVE IMPACTS OF EACH



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MULTIPLE PLANS REVIEW. REVISIT. ASSESS. DEFINE.

LONG-RANGE FRAMEWORK PLAN (2017) RESEARCH & LEARNING CAPITAL PLAN (2019) PERIMETER RD CORRIDOR & PRKG STUDY (2020) HOUSING & DINING MASTER PLAN (2021) EAST SECTOR UPDATE PLAN (2023) NUMEROUS FEASIBILITY STUDIES (2017–2024) EXISTING PLANS & STUDIES



CAMPUS LIFE FACILITIES MASTER PLAN ATHLETICS PRECINCT MASTER PLAN CAMPUS LANDSCAPE AND CULTURAL MP





Accommodate Academic Programs

Pedestrian Oriented

Sense of Community
 Safety and Security

Reduce Travel Sequence

Improve Land Use

Collegiate Atmosphere

Links With Community

- Student Centered
- Improve Identity/Recruitment
- Improve Sustainability
- Improve Planning Processes

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Create distinctive physical image
 Enrich the experience for all
 Maximize value of physical assets

Provide facilities to support progr
 Implement plan in a timely mann

Develop strong foundation

Complete pedestrian ways

Introduce more gathering places

Historic preservation
 Connect multi-modal transportation

Redistribute parking

Develop landscape guideline

Turn attention away or toward be
 Improve campus edges

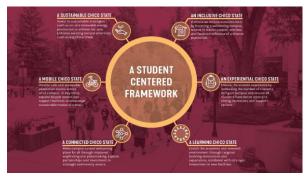




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CASE STUDY: CHICO STATE Plan Alignments, goals and principles





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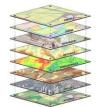


WHAT IS IN A CAMPUS PLAN? MANY CHAPTERS AND ANALYSES

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- TOPOGRAPHY OPEN SPACE LAND USE / ACQUISTION VISTAS AND VIEWPLANES EDGES AND GATEWAYS PATHWAYS ART DISPLAY CAMPUS LANDSCAPE AND VEGETATION WAYFINDING BUILDING USE NEW BUILDINGS ARCHITECTURE HISTORIC CONTEXT UTILLY DISTRIBUTION AND PRODUCTION

AND THE LIST GOES ON

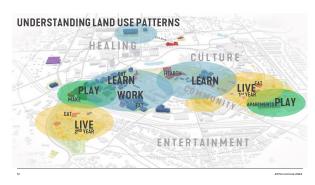


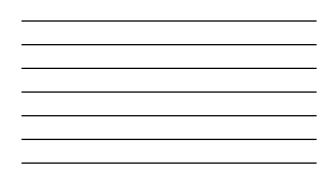
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LAND USE



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OUTDOOR SPACE

Quadrangles/Lawns

- Walkways
 Athletic/Recreational Fields
- Plazas(hardscapes)
- Surface Parking Lots
 Streets/Service Routes
- Campus Edges/Gateways
- Fields/Parks
- Lakes/Ponds/Rivers
- Conversation Spaces
- Gardens/Arboretums
- Paths Vistas
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Exhibit II-C-2

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OPEN SPACE – FLOOD ZONES

- Quadrangles/Lawns
- Walkways
- Athletic/Recreational Fields
- Plazas(hardscapes)
- Surface Parking Lots Streets/Service Routes
- Campus Edges/Gateways
- Fields/Parks
- Lakes/Ponds/Rivers
- Conversation Spaces



- Paths
- Vistas 53





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MOBILITY (PARKING & TRANSPORTATION)



- Vehicular
- Pedestrian
 Mobility Impaired
- Service Vehicles
- Bicycles
- Skateboards!
- Mass Transit
- Motorized Scooters



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BIKEWAYS

Types of Routes Paths Lanes Routes Dismount Zones Connectivity Signage Rules&Regs Parking Racks Lockers Locations In Buildings



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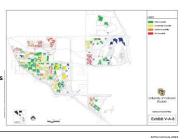




ACCESSIBILITY

- Mobility Impaired

 Dimensions
- Audio Impaired
- Visually Impaired
 Sensory Clues
- Other Issues
- Relationship to the Americans with Disabilities Act (ADA)
- Universal Accessibility





LANDSCAPE

- Scale of Open Space
- Layering
- Vegetation
- Site Furniture
- Signage
- Wayfinding • Art
- Lighting
- Architectural Décor
- Landmarks
- Hammocks, Slacking?





SIGNAGE AND WAYFINDING

- Destination Hierarchy

 Freeway to Destination

 Special Events
- Kiosks, Billboards, Posters, Banners
 Education/History
- .

- Education/History
 Lighting
 Signage Standards
 Security/Comfort
 Sense of Place

 Architectural loons
 Landscape Features
 Vistas





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ART IN PUBLIC PLACES





ARCHITECTURE DESIGN GUIDELINES

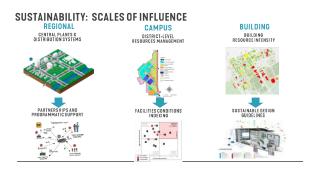
- Buildout/Massing
 Setbacks/Density
- Historic/Landmarks
- Design Guidelines
 Accessibility
- Entrance/Service
- Pallet of Materials
- Sustainability GoalsDistricts/Neighborhoods

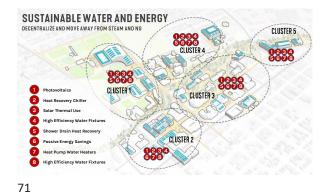


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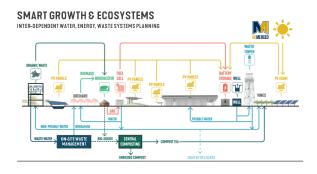
UTILITY INFRASTRUCTURE

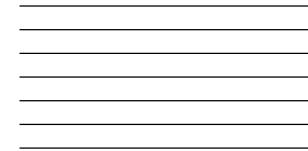












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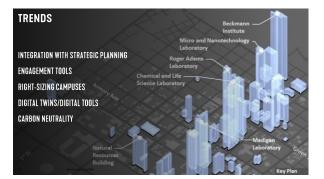


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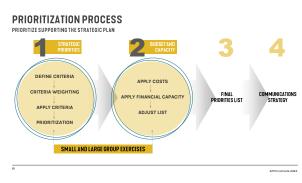
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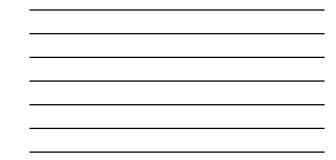


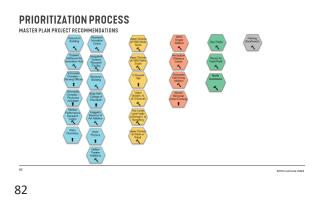


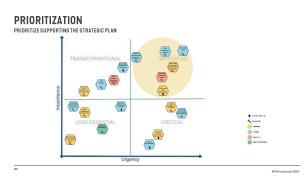
















FUNDING PACKAGES







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