

Trinity Gomez
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Education

California State University Monterey Bay

B.A. Environmental Studies, Concentration in Sustainable Communities

Dean's List: Spring 2019, Fall 2019, Spring 2020

CCAA All Academic Athlete Award (Cross Country & Track): Spring 2018, Fall 2018, Spring 2019
GPA: 3.57

Research and Conferences

Research Interests: Botanical gardens, learning landscapes, living laboratories, landscape design

Living Laboratory Systematic Literature Review, UROC, Fall 2020

- Research on landscape as part of Living Laboratories in higher education and campus design
- Gomez, T., & Derr, V. (In progress). Living Landscapes on University Campuses: Toward a Unified Framework for Advancing Student Engagement in Campus Sustainability. To be submitted to *International Journal of Sustainability in Higher Education*.

Botanical Garden Research and Design, UROC, Spring 2020-Spring 2020

- Researched stakeholder needs and perspectives for the possible implementation of a botanical garden at CSUMB while simultaneously addressing a lack of green spaces on campus
- Presented at CHESC, SACNAS, and UROC Summer Symposium

Relevant Coursework

ENSTU 472: Projects in Environmental Education (Tentative spring 2021)

- Special projects with partnering schools in Monterey Bay county in which we will evaluate institutional frameworks that support greening of K-12 campus landscapes as sites for sustainability and teaching.

ENSTU 497: Independent Capstone

- A conceptual design and potential planting plan for the potential botanical garden at CSUMB incorporating campus landscapes, living laboratories, and campus perspectives

BIO 340: Ecology

- Links the physical environment and the biological environment, energy flow and ecosystem functioning, the growth of populations, species interactions, community structure, and ecosystem dynamics.

ENVS 332: Intro to GIS/GPS

- Application of spatial data acquisition, analysis, and display using integrated, hands-on projects using GIS and GPS software. Projects include: Mapping of geographic features, natural disasters, city infrastructure etc.

ENSTU 376: Infrastructure Systems

- Infrastructure Database Project used to solve infrastructure system issues that may occur with city partners at Pacific Grove.

BIO 340: Ecology

- Coursework and projects that link the physical environment and the biological environment, energy flow and ecosystem functioning, the growth of populations, species interactions, community structure, and ecosystem dynamics.

ENSTU 350: Research Methods in Environmental Studies

- Biophilic Design research to assess the campus' role in meeting the Living Community Challenge. Utilized photovoice, behavior mapping, interviews, and focus groups to understand campus stakeholder perspectives.
- Elkhorn Slough: Performed an in-depth analysis of an interim survey using coding, scoring, inter-rater reliability, correlation charts, and word frequency analysis to understand the environmental literacy of freshman students.

GEOL 260: Geology and Hydrology

- Assessed the Carmel River through a field survey. Used Magnetic Dampened Auto Levelers, Stream Gauges, and Leveling Rods to identify the average depth, max depth, wetted perimeter, slope, and shear stress of a cross section at Carmel River.