



| Curriculum Committee Meeting Roll Call | | | | |
|-----------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| Date: 01/12/2023 | | Time: 9:00 a.m. – 11:00 a.m. | | Location: B 124 |
| Call to Order: 9:15 a.m. | | Adjournment: 10:20 a.m. | | Quorum: 14 |
| <input checked="" type="checkbox"/> Anthony Ababat | <input checked="" type="checkbox"/> Kathryn Adams | <input checked="" type="checkbox"/> John Banola | <input checked="" type="checkbox"/> Elizabeth Banuelos | <input type="checkbox"/> Melita Caldwell-Betties |
| <input checked="" type="checkbox"/> Mary Copeland | <input checked="" type="checkbox"/> Ginny Evans-Perry | <input checked="" type="checkbox"/> Fernando Gomez | <input checked="" type="checkbox"/> Todd Heibel | <input checked="" type="checkbox"/> Leticia Hector |
| <input checked="" type="checkbox"/> Jamie Herrera | <input checked="" type="checkbox"/> Dina Humble (Chair) | <input type="checkbox"/> Kathy Kafela | <input type="checkbox"/> Denise Knight | <input type="checkbox"/> Keith Lee |
| <input type="checkbox"/> Steven C. Lee | <input type="checkbox"/> Breanna Lopez | <input checked="" type="checkbox"/> Micah Martin | <input checked="" type="checkbox"/> David Martin | <input checked="" type="checkbox"/> Matthew Robles |
| <input checked="" type="checkbox"/> Nori Sogomonian | <input checked="" type="checkbox"/> Bethany Tasaka (Co-Chair) ¹ | <input type="checkbox"/> Deborah Trusheim | <input checked="" type="checkbox"/> Janice Wilkins | <input checked="" type="checkbox"/> Kay Dee Yarbrough |
| Student Representatives (2) | | | | |
| Guests: | Kenny Melancon <i>for Melita Caldwell-Betties</i> | Dirkson Lee <i>for Leticia Hector</i> | Alvin Sacdalan | Paula Ferri-Milligan |
| | Anna Tolstova | Leslie Gregory | Botra Moeung | Keynasia Buffong |

¹In the event of a tie vote, discussion will be re-opened, followed by a second vote. If the tie still persists, the Curriculum Chair shall cast the deciding vote.

= Present

Curriculum Committee Special Meeting - Agenda Items

The Curriculum Committee held a special meeting on January 12, 2023 to review the Water Resource Management Bachelor of Arts Degree in preparation for the Office of Instruction to submit the application to the State Chancellor’s Office. The committee reviewed the catalog description, program requirements, prerequisite skills/enrollment limitations, Program Learning Outcomes (PLOs), program goals, and the proposed program course sequencing.

Catalog Description:

The Bachelor of Arts (BA) Degree in Water Resources Management will be designed by an interdisciplinary committee including faculty from the Divisions of the Applied Technology, Transportation and Culinary Arts; Social Sciences, Human Development and Physical Education; Arts and Humanities; and lastly Mathematics, Business & Computer Technology. The aim and goal of the baccalaureate degree is to introduce students to the public policy decisions and statutory mandates that govern water demand, affect water supply, and impact water quality. The concentration in water resources management enables students to develop the knowledge and skills needed to apply organizational theories in leadership and integrated resource management; facilitate the complex nature of intergovernmental relations among local, state, federal and private organizations; interpret major policies, legislative acts and regulations governing water resources; analyze water policy issues and evaluate alternative policy solutions; explore financial management and budget forecasting



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functions; and facilitate the strategic planning and goal-setting process for water sector organizations. Employment for graduates occurs in a wide range of fields and sectors including private, non-profit and government agencies. Possible career paths include leadership roles in:

- Water supply utilities
- Water/wastewater treatment plants
- Regulatory agencies
- Groundwater and Conservation Districts
- Watershed/River Basin Authorities

For those who cannot or choose not to attend the main campus, over 99% of the program units can be completed by taking courses approved as distance education. Scheduling options include accelerated formats (i.e., eight, ten, and seventeen weeks).

Program Requirements:

Required Courses: 36 units

- WRM - Introduction to Water Resource Management 3.0
WRM - California Water History 3.0
WRM - Applied and Professional Ethics in the Water Sector 3.0
ENGL - Technical and Professional Writing 3.0
WRM - Managing Public Organizations 3.0
WRM - Water Resource Management and the Public Policy Process 3.0
WRM - Human Resources Administration in the Water Sector 3.0
WRM - Capital Budgeting and Debt Management Systems 3.0
MATH - Applied Statistics 3.0
WRM - Research Methods in Water Resources Management 3.0
WRM - Internship 3.0
WRM - Applied Research Project 3.0
OR
WRM - Comprehensive Written Exam 3.0



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Elective Courses - Select four courses from the list below: 12 units

WRM - Technology and Public Administration 3.0

WRM - Strategic Planning 3.0

WRM - Water Resource Economics 3.0

WRM - Water Law 3.0

WRM - International Environmental Policy 3.0

WRM - Native American Water Rights 3.0

WRM - Collective Bargaining and Labor Relations 3.0

WRM - Water Sector Leadership and Diversity 3.0

WRM - GIS and Data Analysis in Water Resources 3.0

Total Units: 48.0

PLOs:

1. Engage proactively with stakeholders and community decision makers to promote the utility provider as valued, competent, and trustworthy environmental stewards and the water infrastructure as community assets.
2. Produce technical documents that respond to the needs of multiple audiences, including international/global audiences of water resources.
3. Employ project management processes and analytical tools to achieve a sustainable outcome to regulatory compliance and environmental problems.
4. Develop the skills of utilizing information technologies capabilities in water resources management to track performance, identify variability, and manage performance more effectively and precisely.
5. Apply key terminology, facts, concepts, principles, historical perspectives, and theories to effectively "supply water" and "manage wastewater" infrastructure functions.
6. Gain comprehensive knowledge of integrated water resources management with specific emphasis on best practices leading to water sustainability and financial viability.
7. Acquire skills to address contemporary issues related to water resources management and understand their societal, economic, and environmental impacts.
8. Analyze social justice in the workplace and determine one's own self-concept based on the dimensions of diversity equity, inclusion, and anti-racism.
9. Articulate the core concepts of sustainable management of water resources from local to state to national and global viewpoints.



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Voting:

Motion to approve the Water Resource Management Bachelor of Arts Degree program and curriculum design (second read).

1st: Mary Copeland

2nd: Ginny Evans-Perry

Abstentions: None

Motion Approved