



Oregon State
University

**College of Earth, Ocean, and
Atmospheric Sciences**

Oregon State University
104 CEOAS Admin Bldg.
Corvallis, Oregon 97331-5503

P 541-737-3504

F 541-737-2064

ceoas.oregonstate.edu

Kuuipo Ann Walsh

Instructor, Geographic Information Science
Director, Geographic Information Science Certificate Program

Areas of Responsibility

- Direct the Geographic Information Science Certificate Program at Oregon State University (OSU). Plan and monitor student performance against program goals and objectives and ensure program results. Work with College of Earth, Ocean, and Atmospheric Sciences (CEOAS) faculty, Student Services, and other parts of the University to ensure that the program meets the needs of the students, the University and the profession.
- Instruct for OSU's Geography Program and the Geographic Information Science Certificate Program. Develop and instruct five Geographic Information Science related courses per academic year. Maintain the highest standards in online course design. Follow Quality Matters model for assuring the quality of online courses. Instructional summary:

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| 2011 – Present | GEOG 560, GIScience I: Introduction to Geographic Information Science (twice a year) |
| 2016 – Present | GEOG 561, GIScience II: Analysis and Applications |
| 2011 – Present | GEOG 462/562, GIScience III: Programming for Geospatial Analysis |
| 2012 – Present | GEOG 464/564, Geospatial Perspectives on Intelligence, Security, and Ethics |
| 2015 | GEO 301, Map and Image Interpretation |
| 2011 – Present | GEOG 510, Internship (every term) |
| 2011 – 2014 | GEOG 410, Internship (every term) |

Professional Experience

- 2011 – Present Director, Geographic Information Science Certificate Program,
College of Earth, Ocean, and Atmospheric Sciences, Oregon State
University
- Direct the Geographic Information Science Certificate Program at Oregon State University. Plan and monitor student performance against program goals and objectives and ensure program results. Work with CEOAS faculty, Student Services, and other parts of the University to ensure that the program meets the needs of the students, the University and the profession. Develop and instruct five Geographic Information Science related courses per academic year.
- 2009 – 2011 Associate Director, Geographic Information Science Certificate
Program, College of Science, Department of Geosciences, Oregon
State University
- Assist the Geographic Information Science Director. Be responsible for program coordination of the Geographic Information Science online course offerings as well as student recruitment in the Ecampus and distance learning studies. Coordinate, monitor and expand Geographic Information Science course offerings. Conduct diversity and non-diversity recruitment.
- 2004–2009 Faculty Research Assistant, Institute for Natural Resources, Oregon
State University
- Project manager and GIS Analyst for the Oregon Explorer program, a web-based data portal that provide policymakers, agency managers, and local restoration groups with easy access to natural resources data, tools, and expertise. Provide Geographic Information System (GIS) and cartography support.
- 2002–2004 Faculty Research Assistant, College of Science, Department of
Geosciences, Oregon State University
- Serve as a GIS analyst and web programmer for the Department of Geosciences. Oversee the collection and distribution of metadata for the Virtual Oregon Natural Resources Data Clearinghouse. Create a GIS layer of climatic zones. Perform usability evaluations of the National Geospatial Data Clearinghouse user interfaces. Design and maintain the Oregon Statewide Digital Elevation Models website.

Education

- M.S. 2002 Oregon State University, College of Oceanic and Atmospheric Sciences,
Corvallis, Oregon
Marine Resource Management
Graduate Minor: Earth Information Science and Technology
- B.S. 1993 California Polytechnic State University, College of Engineering,
San Luis Obispo, California
Computer Science

Teaching

I teach upper-division undergraduate and graduate level courses in geographic information science. These courses cover required core courses and elective courses in the graduate and undergraduate Geographic Information Science certificates, as well as the capstone course for the Geography and Geospatial Science major.

Selected Publications

- Wirth, A., Avery, B., Walsh, K., & Rempel, M. (2012). Statewide Spatial Data Clearinghouses: an Oregon Case Study. *Issues in Science and Technology Librarianship*, 70.
- Gaines, L., Walsh K., & Risien J. (2011). The Oregon Coastal and Marine Data Network Workshop, June 6-7, 2011. *Workshop Summary*.
- Walsh, K & Rempel, M. (2010). Developing the Oregon Spatial Data Library. *Western Association of Map Libraries Information Bulletin*, 41(3), 70-75.
- Haddad, T., O’Dea, E., Dunne, D., & Walsh, K. (2010). Coastal Web Atlas Implementation. In Wright, D., Dwyer, N., & Cummins, V. (Eds.), *Coastal Informatics: Web Atlas Design and Implementation*. (pp. 33-52).
- O’Dea, E., Haddad, T. C., Dunne, D., & Walsh, K. (2010). Coastal Web Atlas Features. In Wright, D., Dwyer, N., & Cummins, V. (Eds.), *Coastal Informatics: Web Atlas Design and Implementation*. (pp. 12-32).
- Walsh, K., Pancake, C., Wright, D., Haerer, S., & Hanus, J. (2002). "Humane" interfaces to improve the usability of data clearinghouses, In Egenhofer, M. & Mark, D. (Eds.), *GIScience 2002, Lecture Notes in Computer Science*, 2478. (pp. 333-345).

University Committees and Activities

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| 2020 – Present | CEOAS Critical Cartographer Assistant Professor search committee |
| 2020 – 2021 | CEOAS Geospatial Science Instructor search chair |
| 2018 – 2019 | Main advisor for Master’s Degree (Waddell, James) |
| 2015 | OSU Search Advocate on the Provost Initiative Geospatial Intelligence and Planning Leader search committee |
| 2014 | CEOAS Geospatial Analytics Assistant Professor search committee |
| 2014 – Present | Quality Matters Peer Reviewer and Master Reviewer |
| 2013 – Present | CEOAS Undergraduate Program Committee |
| 2013 | CEOAS GIS Instructor search committee |
| 2011 – Present | CEOAS Geospatial Curriculum Committee |
| 2011 – Present | Graduate Faculty for the Geography and MNR programs |
| 2011 - 2014 | Committee member for Master’s Degree (Atkinson, Darbyshire and Nelson) |
| 2011 – Present | Master of Natural Resources Administrative Committee |
| 2011 – Present | Master of Natural Resources Admissions Committee |

Awards

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| 2020 | Quality Matters certified course – GEOG 560, GIScience I: Introduction to Geographic Information Science |
| 2020 | Teaching and Student Engagement Award 2020 (Nominated only). This annual Ecampus award recognizes faculty members who exemplify excellence in online teaching and student engagement |
| 2019 | Quality Matters certified course – GEOG 462/562, GIScience III: Programming for Geospatial Analysis |
| 2014 | Quality Matters certified course – GEOG 562, GIScience III: Programming for Geospatial Analysis |

University and Community Outreach

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| 2017 – Present | MECOP Internship advisor. Places our certificate students in competitive, high paying, six-month GIS internships throughout the State. |
| 2013 – Present | Coordinate and participate in CEOAS Geography display at da Vinci Days |

- Fall 2020 "Best practices for designing and facilitating graduate level courses"
Invited panel speaker at Ecampus Faculty Forum, OSU (Canceled due to COVID-19 pandemic)
- Winter 2019 "Faculty Panel" Invited panel speaker at Ecampus All-Staff Meeting to discuss student engagement and course design
- Fall 2016 "Quality Matters impact: Do students notice quality in online courses?" Invited speaker at Ecampus Faculty Forum, OSU
- Fall 2013 "Cartography for Coastal Web Atlases". Invited speaker for Linn-Benton Community College's Science Speaker Series