

Curriculum Vitae
Jay Cooper Beeks, Ph.D.

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Education:

- Ph.D. — California Institute of Integral Studies, San Francisco, CA (2016), major in transformative studies with an emphasis in social psychology, leadership and alternative economics. Dissertation: “*Which of the current diverse ideas on ‘alternative economics’ are the best for adequately, comprehensively addressing the great transition to climate, energy, and biodiversity sustainability?*”
- M.B.A. — Marylhurst University, Marylhurst, OR (2011), major in *sustainable* business management, with an emphasis on renewable energy.
- M.S. — Oregon Graduate Institute of Science and Technology, Beaverton, OR (1994), major in environmental science. Curriculum focused on soil ecology and ecosystems design.
- M.S. — Portland State University, Portland, OR (1996), major in general civil engineering.
- B.S. — University of Arizona, Tucson, AZ (1979), major in mechanical engineering with an emphasis on thermodynamics and electrical generation.

Professional Teaching Experience:

- 2016—2019: Faculty Assoc., Arizona State University. Sustainability Leadership Program.
- 2019—Present: Instructor, Arizona State University. School of Sustainability.
- 2018—Present: Adjunct Professor, University of Denver. Environmental Policy and Mgmt.
- 2018 – 2019: Adjunct Professor, University of Saint Francis, Sustainability MBA Program.
- 2014—2018: Adjunct Professor, Marylhurst University. Sustainability MBA Program.
- 2010—Present: Freelance writer, author of:

- Learning from Natural Systems: Externalities, Capitalism and Ending Our War Against Nature, - 2016 - Green Economics Institute – Chapter in “The Reform of Economics”.
- Life is Good in 2050 – 2013 – Solutions Journal – Summer, 2013.
- Community Leadership 4.0 Book Review – 2012 – World Futures – April, 2012 Publication
- Your Creative Brain, Creators on Creating Book Review - Amazon – Fall, 2011
- A New Reality: Human Evolution for a Sustainable Future Book Review – 2019 – World Futures - June – 2019 Publication.
- Golden Rule Economics: Correcting the Perverse Nature of Capitalism. – 2016 - Germany: Lambert Academic Publishing. ISBN-13: 978-3659904561
- Addressing Externalities – An Externality Factor Tax-Subsidy Proposal – 2018 – European Journal of Sustainability, March Issue.
- Internalizing Economic Externalities on the Macroeconomic Stage. Exploring and Expanding Paul Hawken’s *The Ecology of Commerce: A Declaration of Sustainability* for Globalized Solutions - 2018 – European Journal of Sustainability, February Issue.
- Book - Endangered Ecosystems: Rights of Nature Protection for the Benefit of Both Ecosystems and Individual Species - 2020 - Green Economics Institute

Curriculum Vitae

Jay Cooper Beeks, Ph.D.

Book Chapter - Protection and Restoration of Ecosystems: Restoring the Carbon Cycle Balance
In *Handbook of Climate Change Management* (2021). Walter Filho, Johannes Luetz & Desalegn Ayal

Work Experience Prior to Teaching:

- 03/07—01/10: Science and Engineering Manager, Kleinfelder Consultants, Beaverton, OR. Managed up to 20 individuals with a wide range of backgrounds on a variety of projects. Provided oversight and management of over 50 design contracts.
- 01/98—03/07: Engineering Manager, Oregon Parks and Recreation (OPRD). Managed up to 22 individuals in the engineering group at OPRD. We were responsible for the implementation of the \$ 40 million/biennium lottery program that was used for parks projects across the state of Oregon. Conducted the design of sustainable conservation systems at several parks in Oregon including the Silver Falls State Park, the Stub Stewart State Park, Fort Stevens State Park, Smith Rock State Park, the Cove Palisades State Park,
- 03/93—03/94: Engineer III, Portland General Electric, Trojan Nuclear Plant, Portland, OR.
- 01/80—02/93: Lead Engineer and Systems Engineer, Southern California Edison, Rosemead, CA. Managed up to seven individuals at the Mohave Generating Station and the San Onofre Nuclear Generating Station. Oversaw all aspects of the project including planning, budgeting, specifications, bid evaluation, final design, implementation and post-modifications testing. Complete design control over the re-design of existing components and systems. Oversaw all aspects of the project including planning, budgeting, specifications, bid evaluation, final design, implementation and post-modifications testing.

College Teaching Experience:

Marylhurst University - Sustainability MBA Program

2014 - 2018 – SUS 500 - Principles of Sustainability, Sust. MBA Program.

2015 - SUS 498 - Sustainable Business Capstone, Sustainability MBA Program.

2015 – 2018 – SUS 598 - Integrative Capstone Project, Sustainability MBA Program.

2015 - 2018 – SUS 530 - Sust. Business Modeling, Sustainability MBA Program.

2018 - SUS 505 - Strategic Leadership, Sustainability MBA Program.

Franklin Pierce University - Energy & Sustainability Studies - MBA Program.

Spring/2016 – GM 550 - Global Energy, M.S. Energy and Sustainability Program.

University of Saint Francis

2018-2019 – EHS 660 - Capstone Portfolio Project, Sustainability MBA Program.

2019 - EHS 550 - Foundations of Sustainability, Sustainability MBA Program.

Winter/2019 – EHS 540 - Industrial Hygiene, Sustainability MBA Program.

Summer/2019 – EHS 630 - Site Evaluation and Remediation, Sustainability MBA Program.

University of Denver - Environmental Policy & Management Program

Fall/2018 – EPM 4108 - Impacts of Recreation Use, DU, EPM.

Spring/2019 – EPM 4233 - Sustainable Transportation, DU, EPM.

Spring/2019 – EPM 4230 - Alt. & Renew. Energy, DU, EPM.

2019- 2021 - EPM 4002 - Integrated Environmental Systems, DU, EPM.

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2022 - EPM 4500 - Leadership for Environmental Managers - EPM 4500, DU, EPM.
2022 – Present - EPM 4400 - Environmental Values & Ethics, DU, EPM.
Arizona State University - Masters in Sustainable Leadership Program
2018 - 2020 – MSL 514 - Sustainable Leadership 1,2 & 3, ASU, M. S. L.
2016 - 2019 – MSL 505 - 510 - Emerging Sust. Leadership, ASU, M. S. L.
2019 - 2020 – MSL 586, 587, 588 - 3 Sequential Capstone Courses – ASU, M. S. L.
Arizona State University - School of Sustainability (SOS)
2019 to Present - SOS 310 Equity, Justice & Sustainability ASU.
2020 to Present - SOS 314 Basic Energy Science; ASU.
2020 - SOS 100 Introduction to Sustainability, ASU
2020 to Present - SOS 324 Sustainable Energy Technology & Systems; ASU.
2023 to 2024 – SOS 101 Introduction to Applied Mathematics – Life & Social Sciences, ASU.
2023 to Present – SOS 110 Sustainable World, ASU.
2023 - Present - SOS 315 Energy Policy
2026 to Present - SOS 171 Thread of Energy, ASU.

Professional registrations:

Registered Professional Civil & Geotechnical Engineer (P.E/ G.E.), No. 19500, State of Oregon

Interests and practices: Leadership, principles of sustainability, global ethics, alternative economics, transdisciplinarity, economics, operations management, environmental law, sustainable finance, qualitative research, theoretical research, quantitative analysis, social psychology, sociology, psychology, ecological economics, ecosystems, systems thinking, renewable energy, sustainable transportation, sustainable water and food systems policy.

Recent Publications:

Beeks, J. C., & Lambert, T. (2018). Addressing Externalities: An Externality Factor Tax Subsidy Proposal. *European Journal of Sustainable Development Research*, 2(2), 19.

Beeks, J. C., & Ziko, A. (2018). Internalizing Economic Externalities on the Macroeconomic Stage. Exploring and Expanding Paul Hawken’s *The Ecology of Commerce: A Declaration of Sustainability for Globalized Solutions*. *European Journal of Sustainable Development Research*, 2(1), 03.

Book - *Endangered Ecosystems: Rights of Nature Protection for the Benefit of Both Ecosystems and Individual Species* - 2020 - Green Economics Institute

Book Chapter - Protection and Restoration of Ecosystems: Restoring the Carbon Cycle Balance In *Handbook of Climate Change Management* (2020). Editors - Walter Filho, Johannes Luetz & Desalegn Ayal.

References & Contact Information:

Jennifer Wells, Ph.D. – Calif. Inst. of Integral Studies. jwells@ciis.edu; p. 510 324-9072.
Thomas Lambert, Ph.D. – Univ. of Louisville. lambertthomas@hotmail.com; 502 479-8735.

Curriculum Vitae
Jay Cooper Beeks, Ph.D.

Joshua Abbott, Ph.D. – ASU. joshua.k.abbott@asu.edu; p. 480 965-2236.
Tanya Augsburg, Ph.D. – S.F. State Univ. cactusphd@yahoo.com; p. 415 405-2673.
Darrell Burrell, DEEd, George Mason Univ. Darrell.burrell@yahoo.com; 540 842-6020.
Fred Isaacs, J.D. – Marylhurst Univ. fisaacs@marylhurst.edu; 503 344-4530.
Clifford Buttram, Ph.D. – Univ. of St. Francis, CButtram@sf.edu; 260 399-7700.
Rolfe Larson – University of Denver, Rolfe.Larson@du.edu; 303-871-7960.