Community Spotlight

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Helping one another to build a solid foundation: A list of resources and support communities dedicated to biology undergraduate education

By Nate Emery

Module Description:

Ecologists who are new to teaching and evidence-based educational practices can often feel alone and without support. This QUBES resource contains a list of materials and communities that can help ecologists become better instructors and target specific student learning outcomes.

Teaching Setting:

This resource would be of interest to new teaching faculty or experienced teachers who are interested in adopting more evidence-based teaching practices.

Citation:

Nate Emery (2019). List of resources and support communities dedicated to biology undergraduate education. B(ui)LDS: Biological, Universal, and Inclusive Learning in Data Science Community, (Version 2.0). QUBES Educational Resources. doi:10.25334/J08X-7603

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Related Materials and Opportunities:

The author, Nate Emery, created this resource for a workshop entitled "Backward Design for Teaching Ecology Courses", which he presented at the Ecological Society of America (ESA) 2019 Annual Meeting in Louisville, KY. Bridging Communities & Ecosystems: Inclusion as an Ecological Imperative was the theme for ESA's 104th annual meeting, which was held in partnership with the United States Society for Ecological Economics (USSEE).

If you know of additional resources and support communities dedicated to biology undergraduate education that may be of interest to ecologist educators, you are invited to visit this Google document and add your suggestions to the list. You can also join in the conversation around this resource in this discussion forum.

Emery attended the Bringing Conversations on Diversity and Inclusion in Data Science to the Environmental Sciences conference, which was held on April 2-4, 2019 in Boulder, Colorado. This conference was hosted by Environmental Data Science Inclusion Network (EDSIN), whose goal is to strengthen initiatives across existing alliances and organizations to recruit and retain individuals from underrepresented groups in environmental data science careers. You can browse conference materials here, including a presentation featured as a Resource of the Week. Presentation recordings with closed captioning will also be posted soon. Join the EDSIN group on QUBES to be a part of the community and to receive a notification when recordings become available.

Emery has also been selected as an EDSIN-QUBES 2019-2020 Open Education Fellow. EDSIN-QUBES Open Education Fellows are leaders in life science, math, biology, statistics, and ecoinformatics education who are interested in inclusive data science education. Open Education Fellows are developing open, supportive online communities that will facilitate conversations focusing on the intersection between undergraduate life and environmental science education, data science education, and inclusive design.

As part of his role as an EDSIN-QUBES Open Education Fellow, Emery is a community organizer for B(ui)LDS: Biological, Universal, and Inclusive Learning in Data Science Community, a new online community dedicated to the exchange of ideas and resources supporting biological and environmental data science education, grounded in practices of universal design for learning and inclusive pedagogy. If you are interested in participating in this group as it takes shape and receiving updates on upcoming group activities, please join the B(ui)LDS group.

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