

For more than 30 years, the American Meteorological Society (AMS) Education Program has been enhancing K-12 teacher preparation and practice, and ultimately student learning through the DataStreme

Project and two Summer courses. We partner with our sponsors and California University of Pennsylvania to serve as their institutional partner to offer tuition-free graduate credits to

Participants. During our 2019 offering of Project Atmosphere, participants utilized on an online friendly Blog community to enhance their learning and course engagement.

project ATMOSPHERE

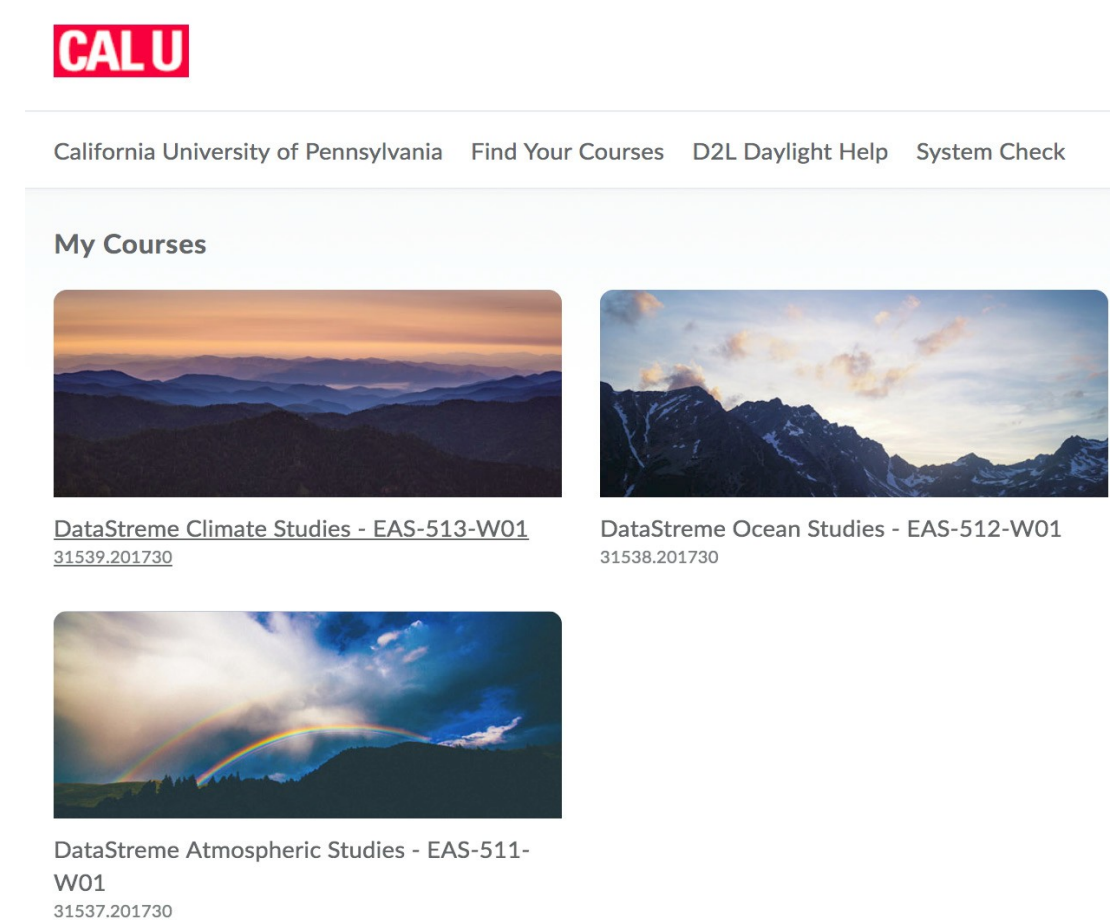
sensing, analyzing and forecasting

- Hybrid (online & (1-week) in-person) content-based summer course focused on meteorology – 6 Weeks.
- Held at NOAA's National Weather Service Training Center in Kansas City, MO
- Experts in the field contribute to course content and field trips



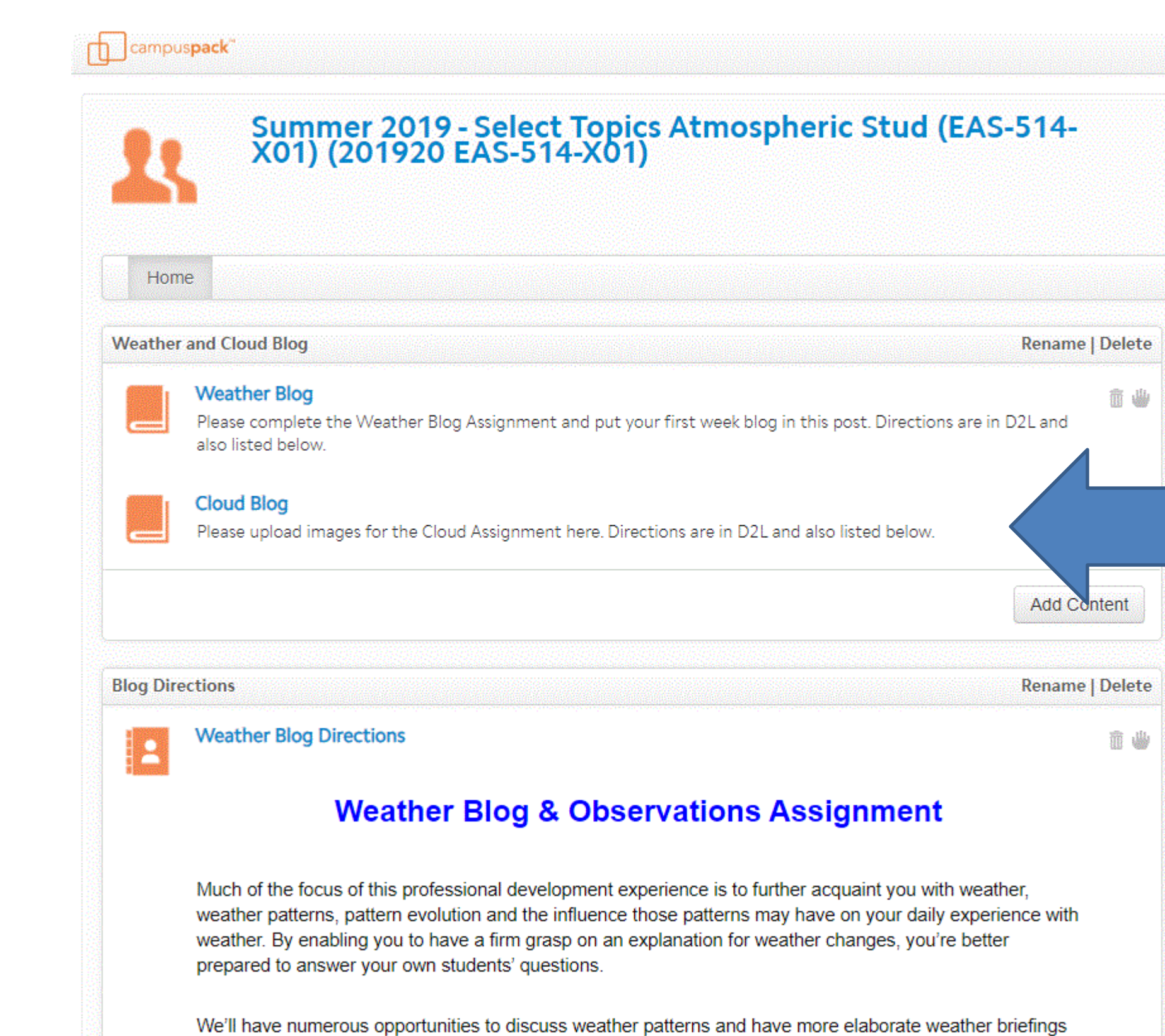
What's new?

- Online content now available to participants through Desire2Learn (D2L).
- D2L offers a blogging platform through its Campus Pack extension, called Collaboration Space, creating interactive opportunities amongst participants.



Online Blogging Platform

- Students generated their own analysis from suggested digital weather resources, relying on weather forecasts from where they live across the United States.
- Students engaged one another by reading and reviewing other classmates' posts, used the comment feature to provide feedback, and created a sharing cohort amongst the group before meeting each other in the NWSTC classroom.



Read multiple entries and view others' writings.

Easy to view platform, directions, and how to access featured blogs.

Allowed for student comments

Successes

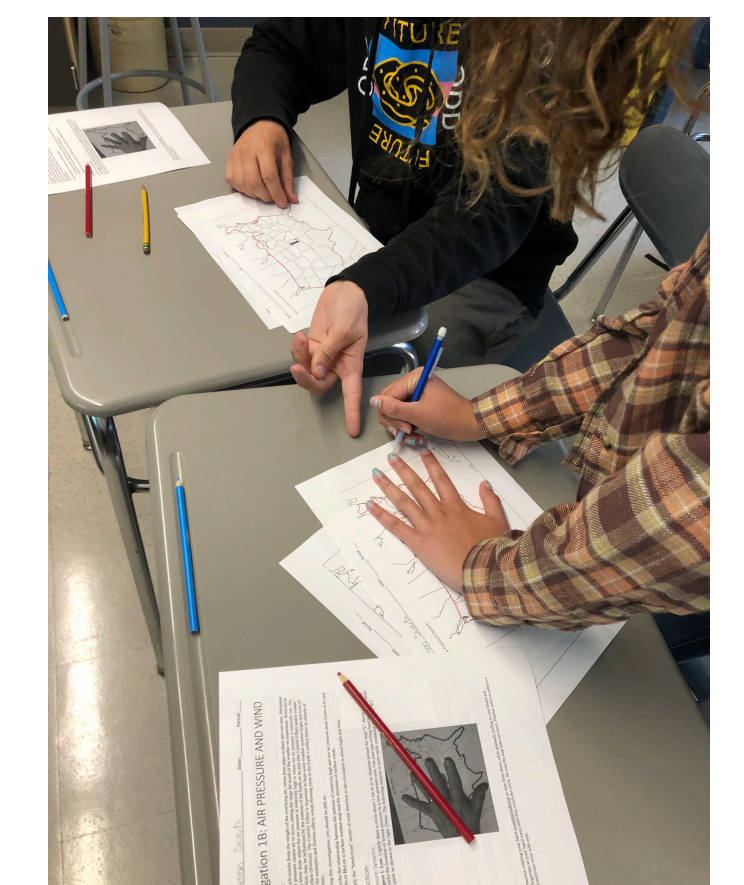
One of the coolest things I have ever used!

I am taking this back to my classroom!

Best way to interact with others from a different environment!

Recognition

- These online "micro-community" interactions between students created a feeling of achievement, while further becoming cognizant of various weather patterns, and connected their visual observations (e.g., cloud types) with analysis maps.
- Ultimately, it prepared students with a peer-learning opportunity before meeting weather experts in person.



K-12 Teacher Professional Development

- DataStreme online courses in weather, ocean, & climate science (modest fees, <\$500 apply)
- Offered each fall & spring semester with support from Mentor Teams
- 3 graduate credits in Earth science through Cal U upon completion of course requirements
- Directly trained more than 22,000 teachers; nearly 200,000 additional teachers peer-trained, and millions of students reached

