



CEITL Annual Report

FY 2021 (July 1, 2020 through June 3, 2021)

website: <http://www.unh.edu/CEITL>

Part 1: Structure and Center Staff

Interim Director (Associate Director)	Catherine Overson
Science of Learning Project Coordinator	Lauren Kordonowy
Student Learning Outcomes Assessment Coordinator	Elizabeth Tappin
Graduate Assistant and Grant Research Associate	Jennifer Calawa
Learning Development and Innovation Team (Joined CEITL October 2020):	
Learning Architect (Manager)	Scott Kimball
Learning Architect	Michael McIntire
Learning Architect	Xuan Cai
Learning Architect	Frances Keefe

CEITL Faculty Fellows through December 2020:

Faculty Fellows	College
Nora Draper	COLA
	CHHS
Carrie Hall	COLSA
Julien Kouame	Cooperative Extension
Lina Lee	COLA
John McClain	CEPS
Alison Paglia	UNH Manchester
Leah Plunkett	UNH Law
Bill Ross	UNH Library
Wenjuan Xie	Paul College

Steering Council	Department
Kathrine Aydelott	University Library
Leslie Couse	Engagement & Faculty Development
Alicia Medros	Academic Technology
Cari Moorhead	Graduate School
Edward Mueller	University Writing Programs
Dawna Pérez	Academic Success
Kerryellen Vroman	Global Education Center

Part 2: Relationships with other University-wide academic programs and offices

- *Writing Program.* Member, UNH Writing Committee (Catherine Overson).
- *UNH Graduate School.*
 - TA and GA Orientations. During the Fall and Spring orientations, presented informational overview of Cognate program in college teaching (Overson).
 - Administered the Academic Program in College Teaching. The Center was responsible for a) academic advising for all graduate students enrolled in the programs, b) handling inquiries from and advising non-UNH people interested or involved in the Certificate in College Teaching, and c) activities related to course offerings: instructors, scheduling, advertising, etc. (Catherine Overson).

- *UNH New Faculty Orientation*: Represented CEITL at the 2020 New Faculty Resource Network hosted by Human Resources (Overson and Tappin).
- *Discovery*: Summer 2020 Graduate TA Inquiry Training (Kordonowy).
- *UNH Offices*: Developed and offered Teaching and Learning programs for UNH faculty and staff. (Catherine Overson).
 - UNH Library (Kathryn Aydelott)
 - Office of International Students and Scholars (Gillissen Green)
 - Community, Equity, & Diversity (Nadine Petty)
 - Student Accessibility Services (Scott Lapinski)
 - Academic Success (Dawna Pérez and Dani Adler)
- *Academic Departments*.
 - Catherine Overson met with doctoral students in department regarding Academic Program in College Teaching:
 - Department of Psychology. (Fall and Spring semester).
 - Department of History. (Fall semester).
 - Department of Nursing (Fall Semester)
 - *Occupational Therapy Department*: Inter-professional Collaborative Competency Attainment Scale (ICCAS). Worked with Professor Sarah Smith to create an online version of ICCAS in Qualtrics (May 2021) (Tappin).
 - *Bachelor of Science in Engineering Physics* (BSEP): Conducted a focus group with four BSEP seniors to gather feedback about students' experiences in the major for accreditation purposes. Prepared a report for BSEP faculty (May 2021) (Tappin).
 - *Online Course Reviews*, Spring 2021 (LDI Team)
 - HDS; EDUC; NURS
- *UNH Online* (LDI Team):
 - Continued support for 11 master's programs, 7 graduate certificate programs, and 1 doctoral program.
 - Preparation for new Online Fall 2021 programs
 - ACPMC; MPA; MSNSI; MSCGHS; and
- *Teaching and Learning Technologies*
 - Met regularly with Alicia Medros and Terri Winters to coordinate teaching and learning pedagogy opportunities across the UNH and USNH campuses in the COVID wake. (Overson)
 - Series of meetings, hosted by TLT, after graduation with UNH faculty to debrief on teaching and learning this semester and explore how we can support moving forward (Overson, Kimball).
 - Evaluation, testing, and documentation of Canvas (Blueprint Courses; Mastery Paths) and visioning for future of Parker Media Lab (LDI Team).
- *Hamel Center for Undergraduate Research*: Coordination and management of electronic evaluations, including the collection, analysis, and reporting of surveys for the following programs: IROP, URA, SURF USA, SURF Abroad, REAP, Inquiry Journal, INCO 590, and INCO 790; and, in addition, administered graduate surveys of students who participated in UROP/IROP (Academic Year 2020-21) (Tappin).
- *University Honors Program*: Consulted to advise and then help gather information/data/insight into the workings of on-line vs. hybrid vs. face-to-face Honors courses during fall 2020.

Developed student and faculty *Qualtrics* surveys and prepared reports on gathered information at the end of fall, 2020 (Overson).

Part 2: Grant Related Activities and Fundings

Grant Consultations

- Collaborate on an awarded CEPS/COLSA NSF grant (STEM Gateway Practices) (fall 2020)
- Consulted on the educational component of a National Science Foundation grant proposal: “Deformation-accelerated polymer bonding (DAPB)” (spring, 2021)

Grant-related work (Davis Educational Foundation), ongoing <https://www.unh.edu/cetl/grants>

- Student Cognition Toolbox <https://www.unh.edu/cetl/grant-student-cognition-toolbox> (see below **Student Success**)
- Applying the Science of Learning across the Biological Sciences Curriculum to Increase Student Persistence and Academic Achievement in STEM Grant <https://www.unh.edu/cetl/applying-science-learning-across-biological-sciences-curriculum>
- Teaching and Learning with Multimedia <https://www.unh.edu/cetl/teaching-and-learning-multimedia>
- Cognition Toolbox <https://www.unh.edu/cetl/grant-cognition-toolbox>
- Davis Educational Foundation Presidential Grant: Teaching and Learning Resource Hub <https://www.unh.edu/teaching-learning-resource-hub/>

External Funding

- *The Student Cognition Toolbox* (SCT): Teaching Students Study Skills Informed by the Science of Learning. Grant funded by Davis Educational Foundation, \$360,371 (three years, beginning 11/20/18) (Overson, PI).
- Davis Educational Foundation Presidential Grant: *Teaching and Learning Resource Hub* (\$25,000) <https://www.unh.edu/teaching-learning-resource-hub/>
- Applied for a Spencer Foundation Large Research Grant on Education – notification October or November 2021.

Revenue Generation

Net Revenue is generated for Academic Affairs by the Center’s staffing, overseeing, and offering the Academic Program in College Teaching (GRAD courses).

Part 3: CEITL Activities

- COVID Response: Syllabus Recommendations Working Group member (Overson, August 2020)
- CEITL Workshops and Courses (additional offerings to each series per COVID response):
 - *Talk about Teaching* Summer 2020 Series: <https://www.unh.edu/cetl/talk-about-teaching-presentations-summer-2020>
 - *Talk about Teaching* Fall 2020 Series: <https://www.unh.edu/cetl/talk-about-teaching-fall-2020-series>
 - *January 2021 Teaching Workshops*: <https://www.unh.edu/cetl/january-2021-workshop-series-schedule-and-registration>
 - *Talk about Teaching* Spring 2021 Series: <https://www.unh.edu/cetl/talk-about-teaching-spring-2021-series>

- *Fundamentals Courses* (LDI Team)
 - Online Instruction
 - Active Learning
- Learning, Development, and Innovation Team moved from Academic Technology to CEITL (October 2020).
- NECHE Student Learning Outcomes/Assessment planning workshop to work on SLOs and assessment plans with academic chairs/representatives (Overson, Tappin, January 2021).
- Brierley 2021 : <https://www.unh.edu/cetl/jean-brierley-presentation-college-teaching>
 - Zoom Webinar with Zoom meeting for Reception. 212 registrations - a record.
- Collegiate Learning Assessment (CLA+). Administered the CLA+ to 128 students who had taken the CLA+ in Fall 2017 and were seniors in Spring 2021. (Tappin, March & April 2021).
 - Remote administration of CLA+ this year due to COVID. After numerous invitation emails, 21 senior students completed the CLA+
- Association of College and University Educators (ACUE): with Leslie Couse to offer, promote, and coordinate ACUE's *Effective Teaching Practices* course for UNH faculty.
- New Course Evaluation workgroup member (Overson, fall 2020 and May 2021)
 - May 2021 workgroup: working with Faculty Senate and an Ad Hoc Committee to Recommend Revisions
- Student Success: The Student Cognition Toolbox
 - Administered Fall 2020 and Spring 2021 (total students: > 4,000)
 - Included Discipline-specific SCT (Statistics) Spring 2021
 - Administered the Stat version this spring in 3 courses (Chem and Biol fall 2021)

Part 4: CEITL Accomplishments

Davis Educational Foundation Presidential Grant Award

- *Teaching and Learning Resource Hub* 2020 with Leslie Couse (Engagement and Faculty Development) and Terri Winters and Alicia Medros (Academic Technology).
<https://www.unh.edu/teaching-learning-resource-hub/>

Publication Update Related to Work of CEITL

- Benassi, V. A., Overson, C. E., & Hakala, C. M. (Eds.) (2014). *Applying science of learning in education: Infusing psychological science into the curriculum*. Retrieved from the Society for the Teaching of Psychology web site: <http://teachpsych.org/ebooks/asle2014/index.php>
 - In the past year (June 1, 2020 – May 30, 2021)
 - Total downloads: 4864 (UNH Faculty Repository)
 - Countries downloaded book: 126

Publications Related to Work of CEITL (Recent)

- Overson, C. E., & Benassi, V. A. (2021). Backward design, the science of learning, and the assessment of student learning. In S. A. Nolan, C. M. Hakala, & R. E. Landrum (Eds.), *Assessing undergraduate learning in psychology: Strategies for measuring and improving student performance*. (pp. 95–107). American Psychological Association. <https://doi-org.unh.idm.oclc.org/10.1037/0000183-008>

Electronic Courseware Published for Worldwide Release

- Overson, C. E., Kordonowy, L. L., Benassi, V. A., Calawa, J., Ange-Stark, M. A., & Williams, C. R. (2020, v1.4, Open Educational Resource). *The Student Cognition Toolbox*, Carnegie Mellon

University, Open Learning Initiative. <https://oli.cmu.edu/courses/student-cognition-toolbox-open-free/>

- Overson, C. E., Kordonowy, L. L., Benassi, V. A., Calawa, J., Ange-Stark, M. A. , & Williams, C. R. (2020, v1.4). *The Student Cognition Toolbox*, Carnegie Mellon University, Open Learning Initiative. <https://oli.cmu.edu/product-category/student-success/>

Formal Presentations Related to Work of CEITL

- The Student Cognition Toolbox: Empowering Students to Become Better Learners. Invited Presentation to Simon Initiative Colleagues at **Carnegie Mellon University**, Thursday, October 2020 (Overson and Kordonowy).
https://www.cmu.edu/simon/events/2020/unh_sct_oct15+oct16.html.
- The Student Cognition Toolbox: Empowering Students to Become Better Learners. Invited Presentation to Open Learning Initiative Community, **Carnegie Mellon University**, Thursday, October 29, 2020 (Overson and Benassi).
https://www.cmu.edu/simon/events/2020/unh_sct_oct29.html
- UNH CEITL Webinar Conference Produced: *Empower Students for Academic Success: Teaching Students Study Skills Informed by the Science of Learning* on November 6, 2020.
 - 1028 worldwide registrations from 22 countries.
 - Plenary Session. The Student Cognition Toolbox. Presentation at **UNH CEITL Webinar Empower Students for Academic Success: Teaching Students Study Skills Informed by the Science of Learning on November 6, 2020. (Overson and Benassi).
<https://www.unh.edu/cetl/empower-students-academic-success-teaching-students-study-skills-informed-science-learning-0>**
- The Student Cognition Toolbox: Developing effective study strategies to meet student learning goals. Invited Presentation to SUNY Online: **SUNY OER Services and Carnegie Mellon University's Open Learning Initiative** (OLI) April 21, 2021 (Overson and Benassi).
<https://sunycpd.eventsair.com/QuickEventWebsitePortal/student-cognition-toolbox/site>

Book Proposal Accepted

- American Psychological Association Division 2 (Teaching of Psychology): *In their own words: What scholars want you to know about why and how to apply the science of learning in your academic setting* Editors: Catherine E. Overson, Christopher M. Hakala, Lauren L. Kordonowy, and Victor A. Benassi. Publication set for early 2022.

Part 5: CEITL's Major Goals and Objectives

The **Center for Excellence and Innovation in Teaching and Learning** strives to promote the highest quality of student learning by providing full-time faculty, part-time faculty, and teaching graduate students with the resources they need to implement in their classrooms the best practices in college teaching.

The Center's ongoing goals are:

- Provide direct consultation and assistance to teaching faculty and graduate students.
- Coordinate and manage (with the Graduate School) the Academic Programs in College Teaching (Cognate/Certificate in College Teaching).
- Work with CEITL Steering Council to further collaborate and coordinate efforts toward promoting the highest quality of teaching/learning.
- Conduct and report research related to college teaching and student learning.

- Offer pedagogy presentations/workshops and graduate courses on college teaching.
- Provide support to other UNH programs, projects, and committees.
- Organize the Jean Brierley presentation on college teaching.
- Disseminate publications, reports, and other resources to wide range of audiences.
- Link to and collaborate with regional, national, and international organizations related to our mission.
- Undertake special projects and initiatives related to the Center's mission.
- Continue to seek and acquire external funding in support of our mission.

The Center's Goals and Initiatives for the Next Academic Year:

- Launch a Summer (August) teaching and learning program focused on evidence-based pedagogy followed by 1-1 workshopping with faculty to prepare for fall 2021 courses.
 - Examples of interventions include retrieval practice, scaffolding reading assignments, peer instruction, collaborative learning, worked examples for problem-solving, and more.
- Develop and Launch a first UNH Faculty Learning Community.
 - Theme for 2021/2022: Sustainability (partnering with Fiona Wilson).
- Explore the development and offering of a certificate program for peer observation of teaching with an effort to ensure consistency, when possible, among peer observers.
- Establish a re-envisioned CEITL Faculty Fellow program.

Part 6: CEITL Participant Contact Information: Following Page

CEITL Activity And Participant Enrollment/Activity Summary Table						
Activity	Sum 2020	Fall 2020	Jan 2021	Spring 2021	TOTAL	Registrations
MidTerm Assessment Process (MAP)	2	30		28	60	Sections
CEITL Participation Certificate (new enrollment)	24	17		2	43	Instructors/Staff/Grad
Jean Brierley Presentation				212	212	Webinar Spring 2021
CEITL Workshops						
Talk about Teaching Workshops	2191	93		286	2570	UNH Instructors/Staff/Grad (Across 18; 9 Workshop)
	2615			290	2905	Total participants (including outside UNH)
January Workshops			473		473	Instructors/Staff/Grad (Across 9 Workshops)
TA Inquiry Training	9					Graduate Student Participants
Faculty Consultations/Projects						
Course Projects to Promote Learning (AY)		1			1	Instructors
Faculty Consultations	11	10	7	11	39	Instructors (some are one-time, others ongoing)
Grant Applications and Consultations	1	2			3	Faculty
DEF Grant work Student Cognition Toolbox						
Course Sections	er	Module	36	23	59	Instructors
Student Enrollments	3,000	2461		1592	7053	Students administered the SCT
Conferences/Presentations						
Davis Grant Funded Conferences						
UNH Registrations		85			85	Instructors/Staff/Grad
Outside UNH Registrations		1027			1027	Instructors/Staff/Grad
Invited National Talks Outside of UNH		250		100	350	Instructors/Staff/Grad (approximate numbers)
College Teaching Program						
GRAD Courses on College Teaching (total enrollments)	90		16		106	Instructors/Staff/Grad
Learning, Development, and Innovation (LDI)						
Instructor Consultations				154		Across the AY
Fundamentals 'Courses'						
Fundamentals of Online Intruction		18	13		31	
Fundamentals of Online Delivery					0	
Fundamentals of Active Learning				6	6	
FITSI (Summer 2020)	38				38	Instrucotors/Grad
USNH Academic Technology Institute (2020)					0	UNH Participants
Remote Engagement Workshop (Nov 4, 2020)		3			3	
Total # UNH Faculty/Staff/Grad contact:	2342	278	509	354	3483	

Respectfully Submitted, Catherine Overson, PhD