

## CEITL Annual Report

FY 2022 (July 1, 2021 through July 1, 2022)

 website: <https://www.unh.edu/professional-success/ceitl>

### Part 1: Structure and Center Staff

Position	Name
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 (LDI) Team:	
Learning Architect (Manager)	Scott Kimball
Learning Architect	Michael McIntire
Learning Architect	Xuan Cai
Learning Architect	Frances Keefe

CEITL Faculty Fellow (2021/2022 AY): Islam Karkour, Lecturer, Languages, Literatures and Culture

#### CEITL Steering Council

Name	Department
Kathrine Aydelott	University Library
Alicia Medros	Academic Technology
Leslie Couse	Engagement & Faculty Development
Scott Kimball	CEITL LDI
Cari Moorhead	Graduate School
Meaghan Dittrich	University Writing Programs
Dawna Perez	Academic Success

#### CEITL Advisory Committee

Name	
Kathrine Aydelott	Assistant Professor
Kimberly Babbitt	Associate Dean
Christopher Bauer	Professor
Alicia Medros	Director, TLT
Alison Paglia	Associate Professor
Jennifer Frye	Clinical Assistant Professor
Kholekile Gwebu	Associate Professor
Sophie Sparrow	Professor
Sara Withers	Senior Lecturer

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

- *Writing Program.* Member, UNH Writing Committee (Overson).
- *UNH Graduate School.* (Overson)
  - TA and GA Orientations. During the Fall and Spring orientations, presented informational overviews of CEITL and 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 2021 First-Year Fridays (Overson and Kimball).
- *Discovery:* Summer 202 Graduate TA Inquiry Training (Kordonowy).
- *UNH Offices:* Worked with colleagues to develop and offer Teaching and Learning events for UNH faculty and staff. (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)
  - Sustainability Institute (Fiona Wilson)
- *Academic Departments.*
  - Overson met with doctoral students in department regarding Academic Program in College Teaching:
    - Department of Psychology. (Fall semester).
    - Department of History. (Fall semester).
  - Physics: Conducted a focus group to gather feedback from students' experiences as graduating majors in the Physics Department (Spring 2022) (Tappin).
  - Online Course Reviews, (LDI Team)
- *UNH Online* (LDI Team): Online course Development support and review
- *Teaching and Learning Technologies* (LDI Team)
  - Re-envisioning Parker Media Lab
  - Workshops, presentations, pilot programs
- *UNH/GSC Merger*
  - Merger Project Team MWG UNH Online (LDI)
  - Worked to coordinate teaching and learning educational opportunities and eliminat any overlaps (Overson and Kimball)
- *Hamel Center for Undergraduate Research:* Coordination and management of electronic evaluations, including the collection, analysis, and reporting of surveys for the following programs: URA, SURF USA, REAP, Inquiry Journal, INCO 590, and INCO 790; and, in addition, administered graduate surveys of students who participated in UROP/IROP (Academic Year 2021-22) (Tappin).
- *Discovery Program:* online science labs feasibility at UNH (Kimball)

- *SAS (LDI): Workshops, technology/pedagogy support*
- *PCBE (LDI): pilot Canvas Mastery Paths in the online MBA program*
- *Classroom Maintenance Committee and LST (LDI): Learning space evaluation/TEAL*

## **Part 2: Grant Related Activities and Fundings**

### **Grant Consultations**

- Collaborate on Chris Bauer’s CEPS/COLSA NSF grant (STEM Gateway Practices) to coordinate the faculty teaching and learning developmental offerings with CEITL programming
- Consulted on the educational component of a National Science Foundation grant proposal: “CAREER: A Non-destructive Approach to Monitor Soil Animal Activity and Identify Spices-specific Audio Signatures” (spring, 2022)

### **Grant-related work (Davis Educational Foundation), ongoing <https://www.unh.edu/professional-success/ceitl/grants/science-learning-grants>**

- *Student Cognition Toolbox* (see below **Student Success**) Continuing offering and supporting faculty in SCT deployments in their courses
- *Applying the Science of Learning across the Biological Sciences Curriculum to Increase Student Persistence and Academic Achievement in STEM* Grant. Work continues with faculty in, e.g., assessing learning outcomes through development and refining of background knowledge probes as pre/post assessments
- *Teaching and Learning with Multimedia*: offering GRAD course on Multimedia Principles in addition to CEITL Workshops
- *Cognition Toolbox* work with faculty continues through workshop presentations, consultations, and course related projects
- *Davis Educational Foundation Presidential Grant*: Teaching and Learning Resource Hub work continues in continual timely updating and periodic assessments usage statistics.

### **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). Completed with NCE end of July 2022.
- *Davis Educational Foundation Presidential Grant: Teaching and Learning Resource Hub* (\$25,000) <https://www.unh.edu/teaching-learning-resource-hub/>
- Re-applied for a Spencer Foundation Large Research Grant on Education February 2022. Did not receive funding for this proposal
- Preparing for a Davis Educational Foundation 2-year grant: *Self-Directed Learning: Promoting Students’ Persistent Use of Effective Learning Strategies*

### **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**

- Brierley 2022: <https://www.unh.edu/professional-success/ceitl/annual-events/jean-c-brierley-award-excellence-college-teaching>

- Zoom Webinar March 1, 2022 for Ellen Fitzpatrick, recipient, with Reception via Zoom.
- Association of College and University Educators (ACUE): promote and coordinate ACUE's *Effective Teaching Practices* course for UNH faculty. Second faculty cohort of 27 completed the program, receiving the ACUE Certification
- New Student Experience of Teaching workgroup member (Overson, fall 2021-present)
- Student Success: The Student Cognition Toolbox
  - Administered Fall 2019 and Spring 2022 (total students: > 8,000 to date)
  - Included Discipline-specific SCT in many gateway courses
    - Default (psychology content)
    - Statistics
    - Biology
    - Chemistry
    - Physics
    - Anthropology
    - Anatomy and Physiology

#### **Part 4: CEITL Accomplishments**

##### **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: 3538 (UNH Faculty Repository)
    - Countries downloaded book: 121

##### **Electronic Courseware Published for Worldwide Release**

- Overson, C. E., Kordonowy, L. L., Benassi, V. A., Calawa, (2021/2022,). *The Student Cognition Toolbox (Biology; Chemistry; Physics; Anthropology; Anatomy & Physiology)*, Carnegie Mellon University, Open Learning Initiative. <https://oli.cmu.edu/product-category/student-success/>

##### **Formal Presentations Related to Work of CEITL**

- UNH CEITL Webinar Conference Produced: *Empower Students for Academic Success II: Teaching Students Study Skills Informed by the Science of Learning* on November 6, 2020.
  - 890 worldwide registrations from across the US and internationally.
  - Plenary Session. The Student Cognition Toolbox. Presentation at **UNH CEITL Webinar Empower Students for Academic Success II: Teaching Students Study Skills Informed by the Science of Learning** on March 18, 2022. (Overson, Kordonowy, & Benassi). <https://www.unh.edu/professional-success/ceitl/conferences-workshops/ceitl-conferences>

##### **Science of Learning Book**

- 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 forthcoming fall 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:***

- **Critical Thinking Project:** Begin work on faculty development regarding fostering students' critical thinking
- **Peer Observation:** 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.
- **Self-regulated Learning:** Expand the SCT to include components related to students' metacognitive development necessary for self-regulated learning (DEF grant proposal)
- **New Faculty Pedagogy Academy:** beginning with AY 2022/2023, CEITL will offer this Academy to inform and support new faculty on topics related to pedagogy.
- **UNH/GSC Merger:** Support efforts related to merger activities related to teaching and learning
- **NECHE:** Work with NECHE group as a participating as a member of a NECHE Standard team, Standard 6: Teaching, Learning, and Scholarship.

## Part 6: CEITL Participant Contact Information

CEITL Activity And Participant Enrollment/Activity Summary Table						
Activity	Sum 2021	Fall 2021	Jan 2022	Spring 2022	TOTAL	Registrations/Notes
MidTerm Assessment Process (MAP)		57		34	91	Sections
CEITL Participation Certificate (new enrollments)	24	17		2	25	Instructors/Staff/Grad
Jean Brierley Presentation				212	126	Webinar Spring 2022
<b>CEITL Workshops</b>						
Talk about Teaching Workshops		100/291		55/167	155/458	Unique registrations/Total across all events
January Workshops			82/199		82/199	Unique registrations/Total across all events
TA Inquiry Training	8				8	Graduate Student Participants
Evidence Based Pedagogy Institute	20				20	August Launch of This Program
<b>Faculty Consultations/Projects</b>						
Course Projects to Promote Learning (AY)		3		3	6	Instructors
Faculty Consultations	4	4		18	26	Instructors (some are one-time, others ongoing)
Grant Consultations with Faculty				2	2	Faculty
<b>DEF Grant work Student Cognition Toolbox</b>						
Course Sections		17		6	23	Instructors
Student Enrollments		2023		660	2683	Students administered the SCT
<b>Conferences/Presentations</b>						
<b>Davis Grant Funded Conference</b>						
UNH Registrations				20	20	Instructors/Staff/Grad
Outside UNH Registrations				888	888	Instructors/Staff/Grad
<b>College Teaching Program</b>						
GRAD Courses on College Teaching (total)	46	4	16	4	70	Instructors/Staff/Grad
<b>Learning, Development, and Innovation (LDI)</b>						
Instructor Consultations						Across the AY
<b>Fundamentals 'Courses'</b>						
Fundamentals of Online Instruction					11	Oct, Feb, July
Fundamentals of Active Learning					4	Oct, Feb
FOI Innovation Lab					30	Oct, Jan, Mar
FITSI (Summer 2020)	28				28	Instructors/Grad
Online Course Reviews					11	
MSW Online Program Refresh Course Reviews					8	

Respectfully Submitted, Catherine Overson, PhD