UDITA GUPTA
Urban Institute for Teacher Education (UITE)
College of Education University of Utah
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EDUCATION

University of Utah, Salt Lake City, Utah
Doctor of Philosophy (PhD): Educational Psychology (Learning Sciences)
Dissertation: Managing Cognitive Load During Complex Learning: A Study on Worked Examples and Element Interactivity

Johns Hopkins University, Baltimore, Maryland
Masters of Teaching (MAT): Math Education (Secondary)
Concentration: Demystifying Barriers in Geometry Word Problems

Kanpur University, Kanpur, India
Master of Sciences (MS): Statistics

Kanpur University, Kanpur, India
Bachelor of Sciences (BS): Math, Statistics, Economics

CERTIFICATION/LICENSURE

Maryland Math Educator License

ACADEMIC APPOINTMENTS

2019-	*Associate Professor (Career Line)*, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.
2014-2019	*Assistant Professor (Career Line)*, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.
2010-2014	*Graduate Assistant & Student Teacher Supervisor*, Urban Institute for Teacher Education (UITE), University of Utah.
2010-2011	*Student Teacher Supervisor*, Math for America (MFA), Department of Mathematics, University of Utah.
	Research Assistant, Department of Educational Psychology, College of Education, University of Utah.

OTHER ACADEMIC AND ADMINISTRATIVE POSITIONS

2001-2002   *Lecturer*, Department of Statistics, Kanpur University, India

2023-   *Associate Director*, STEM Initiatives, UITE, College of Education

PUBLICATIONS

Peer-reviewed Articles

Gupta, U. & Zheng, R. (2020). Cognitive Load in Solving Mathematics Problems: Validating the Role of Motivation and the Interaction Among Prior Knowledge, Worked Examples and Task Difficulty. *European Journal of STEM Education*. 5(1).

Gupta, U. (2019). Interplay of Germane Load and Motivation During Math Problem Solving using Worked Examples. *Educational Research: Theory and Practice.*

Burbank, M., Bates, A., Gupta, U. (2016). The Influence of Teacher Development in Secondary Content Area Supervision among Preservice Teachers. *The Teacher Educator*, 51:55 – 69.

Zheng, R., Udita, G., & Dewald, A. (2012). Does the format of pretraining matter? A study on the effects of different pretraining approaches on prior knowledge construction in an online environment. *International Journal of Cyber Behavior, Psychology and Learning, 2*(2), 35-47.

Book Review

2019   A Short Guide to Action Research, 4th edition. Pearson Education Inc.

Book Chapter Review

2017   What cognitive psychology can tell us about educational computer games? *Cognitive Psychology and Educational Computer Games.*

PRESENTATIONS AND ACCEPTANCES (IN REFREED CONFERENCES)

2024, Feb.   Sense of Value and Belonging via Unit Plan Development. Burst Presentation at *Regional National Council for Teachers of Mathematics (NCTM)*, Seattle, USA (accepted, presentation *forthcoming* on Feb. 9, 2024).

2024, Feb.   Field Rotations: Fostering a Sense of Value and Belonging in Pre-Service Teachers. Workshop at *Regional National Council for Teachers of Mathematics (NCTM)*, Seattle, USA (accepted, presentation *forthcoming* on Feb. 9, 2024).

2024, Apr.   Collaborative Mentoring: A Qualitative Study on In-Service Teacher Training. Roundtable Session at *American Educational Research Association (AERA) SIG: Mentorship and Mentoring Practices*, Philadelphia, USA (accepted, presentation *forthcoming* between April 11-14)

2023, Mar.   Coaching and Mentoring in Teacher Education Programs, Panel Presentation at *Western Regional Noyce Conference (WRNC)*, Sacramento, USA (*accepted; presentation on Mar. 12, 2023*).

2020, Apr.   Making Your ELL Instruction Count: Practice and Reflection Based Approach for Pre-Service Teachers. Poster Presentation at *Carnegie Foundation Summit*, San Francisco, USA (*accepted*; conference cancelled due to COVID)
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2020, Apr.   Reflective Practices in Teacher Education. Poster Presentation at *Carnegie Foundation Summit*, San Francisco, USA (*accepted*; conference cancelled due to COVID)

2020, Feb.   How Reflective Practices Impact Secondary Pre-Service Teachers? Presentation at *Association for Teacher Education (ATE)*, Atlantic City, New Jersey, USA **(*accepted;* conference cancelled due to COVID).**

2019, Oct.   "Mirror! Mirror! What is Reflection?" Roundtable discussion at *Northern Rocky Mountain Educational Research Association (NRMERA) Annual Conference*. Denver, Colorado, USA.

2019, Mar.   How critical is the role of prior knowledge and element interactivity in math? Session Presentation at *International Consortium for Research in Science and Mathematics Education (ICRSME XV) Annual Conference*. San Jose, Costa Rica.

2018, Oct.   Interplay of Germane Load and Motivation During Math Problem Solving using Worked Examples. Poster Presentation at *Northern Rocky Mountain Educational Research Association (NRMERA) Annual Conference*. Salt Lake City.

2017, Mar.   Managing Cognitive Load during Complex Learning: A Study on Worked Examples and Element Interactivity. Poster Presentation at *International Convention of Psychological Science (ICPS) Annual Conference*. Vienna, Austria.

2011, Feb.   Strategies for Increasing Student Learning with Online Videos: Findings from a NetSafe Study. Presentation at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Sandy, UT.

Workshops and Professional Development
2023, June   *Faculty Fellow*, Modern Meta-analysis Research Institute (MMARI), Collaboration between University of Georgia and American Institutes for Research (AIR). *(Also represented under fellowships, awards and acknowledgements category)*

2023-24   *Faculty Fellow*, AERA Proposal Mentorship Program. *(Also represented under fellowships, awards and acknowledgements category)*

2023   *Faculty Fellow*, AACTE Global Education Professional Learning Community (PLC). *(Also represented under fellowships, awards and acknowledgements category)*

2023, Nov.   *Attendee*, Working with International Partners to Develop Curriculum, AACTE Webinar Series.

2023, Oct.   *Attendee*, Leveraging Technology and Digital Advances to Develop Global Competency, AACTE Webinar Series.

2023, Sept. *Attendee*, Collaborative Online International Learning (COIL), AACTE Webinar Series.

2023, Aug.   *Attendee*, Award Winning Practices in Globalizing Teacher Education, AACTE Webinar Series.

2023, Jul.   *Attendee*, Innovative Best Practices for Embedding Global Education in K-12 Classrooms, AACTE Webinar Series.

2023   *Attendee,* Faculty of Color on Teaching, Office of Faculty, University of Utah.

2022, Dec.   *Attendee*, Retention, Promotion and Tenure Process for Career-Line, Office of Faculty, University of Utah

2022, Nov.   *Attendee*, Life as a Career-Line, Office of Faculty, University of Utah.

2022-   *Participant*, Career-Line Conversation, College of Education, University of Utah.

2022, Oct.   *Lead Presenter*, UITE Secondary STE Symposium, College of Education, University of Utah.

2022, Sept. *Attendee*, NASDTEC PEC Open Discussion: Compensation for Student Teachers/Techer Candidates (Online).

2022, Aug.   *Attendee*, Developing Research Questions and Aligning Data, ICPSR-AERA PEERS Data HUB (Online).

2022, May   *Member,* Family Influence Study, Collaboration with San Jose State University.

2022, Nov.   *Attendee*, Equity and Inclusion in Higher Education: Strategies for Teaching, CTLE, University of Utah.

2022-	*Lead Presenter*, UITE Secondary STE Symposium, College of Education, University of Utah.
2021, Oct.	*Attendee*, Grant Writing Workshop, Grant Writing Center, Salt Lake City.
2019, Aug.	*Presenter*, Reflective Practices in Higher Education. University of Utah's Annual Teaching Symposium, University of Utah.

Other Conference Activities

2024, Apr.	*Chair* (SIG: Mentorship and Mentoring Practices). Mentoring Through Pre-Service Teacher Education Programs, *Forthcoming American Educational Research Association (AERA) Annual Meeting*, Philadelphia.
2020, Apr.	*Chair* (Div. K, Section 10). Non-Traditional Approaches to Teacher Education. *American Educational Research Association (AERA) Annual Meeting.*
2020, Apr.	*Discussant* (Div. K, Section 6). Teacher Learning Through Video and Virtual Reality in Field Experiences. *2020 American Educational Research Association Annual Meeting.*

TEACHING EXPERIENCE

University of Utah (*Significantly redesigned)

MASTER'S COURSES
Secondary Student Teaching
Professional Development for Sec. Preservice Teachers **(Spring 2021)** *
Field Practicum for Secondary Preservice Teachers **(Fall 2021)** *

Field Practicum for Secondary Interns
Field Practicum for Secondary Math Preservice Teachers
Secondary Student Teaching for Interns
Secondary Student Teaching for Math Preservice Teachers
Professional Development for Secondary Interns
Professional Development for Math Preservice Teachers

UNDERGRADUATE COURSES
Secondary Math Methods **(Spring 2022)** *
Secondary Student Teaching
Professional Development for Secondary Preservice Teachers **(Spring 2021)** *
Field Practicum for Secondary Preservice Teachers **(Fall 2021)** *

COMMUNITY ENGAGED LEARNING (CEL) DESIGNATION

University of Utah (Since Fall 2019)
Undergraduate Courses

EDU 5495	Secondary Student Teaching
EDU 5491	Professional Development for Secondary Preservice Teachers

EDU 5490   Field Practicum for Secondary Preservice Teachers

Graduate Courses
EDU 6495   Secondary Student Teaching
EDU 6491   Professional Development for Secondary Preservice Teachers
EDU 6490   Field Practicum for Secondary Preservice Teachers

SERVICE

Service to College/Urban Institute for Teacher Education

2023 (Feb.-Apr.)   *Member,* College Associate Dean for Research search committee, College of Education, University of Utah.

2022-   *Reviewer,* TFU/Noyce Applications, College of Education, University of Utah.

2022-   *Member,* Equity, Diversity and Inclusion (EDI) Adhoc Committee, College of Education, University of Utah.

2022, Sept.   *Presenter,* Field Hours Pathways for Juniors & Seniors, Monthly Meeting – Teach for Utah, Noyce and BS/Med Scholars, College of Education, University of Utah.

2021, Nov.   *Attendee and Information Sharing,* Monthly Meeting – Teach for Utah, Noyce and BS/Med Scholars, College of Education, University of Utah.

2021, Oct.   *Attendee,* Supervision Workshop – Bridging High Leverage Practices with PAES rubric, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.

2021, Oct.   *Participant,* Alumni Induction Meeting, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.

2021, Feb.   *Member,* Search Committee for Associate Dean for Faculty and Student Affairs, College of Education, University of Utah.

2021-   *Member,* Conversation on Setting Transition Route for Engineering Students Interested in Teaching, Collaboration between Urban Institute for Teacher Education (UITE) and College of Engineering, University of Utah.

2020-   *Data Collection and Report Generation,* CAEP Accreditation Case Studies, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.

2020, June   *Creator*, Video Resources for Pre-Licensure and Licensure Faculty, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.

2020, June	*Reviewer,* Undergraduate and Research Opportunities Program (UROP), College of Education, University of Utah.
2018, Dec	*Attendee*, Campus Diversity Committee Meeting, College of Education, University of Utah.
2018, June	*Member,* Educational Dispositions Committee, College of Education, University of Utah.
2016-2017	*Member*, Faculty Awards Committee, College of Education, University of Utah.
2017, Apr.	*Member*, Career Line Faculty Meeting, College of Education, University of Utah.
2016, Sept.	*Member*, Undergraduate Committee Meeting, College of Education, University of Utah.
2016-	*Member*, Scholarship Committee, College of Education, University of Utah.
2016-	*Reviewer*, Admissions Committee, Urban Institute for Teacher Education (UITE), College of Education, University of Utah.

Service to University

2022-23	*Member,* Faculty Learning Community on Math DEWI, University of Utah
2017-	*Member,* Student Behavior Committee, University of Utah
2020-	*Member,* University Career-Line Faculty Reappoint Committee (UCLFRC)

Service to Community (National and International)

2022-	*Grand Awards Judge,* International Science and Education Fair (ISEF), Society of Science, Washington D.C.
2021-	Judge, Regeneron Science Talent Search (STS), Society of Science, Wahington D.C.
2020-	*Judge,* Social and Behavioral Sciences, International Science and Education Fair (ISEF), Society of Science, Washington D.C.
2019-2023	*Judge,* District Science Fair Judge, North Zone, Salt Lake City.
2019-2022	*Judge,* Social and Behavioral Sciences, University of Utah Science and Education Fair (USEF), University of Utah.
2016-2023	*Judge,* Science Fair, Challenger School, Salt Lake City.

EDITORIAL REVIEW

2020-	*Editorial Board,* International Journal of Innovative Teaching and Learning in Higher Education (IJITLHE).
2018-	*Editorial Board,* International Journal of Teacher Education and Professional Development (IJTEPD).
2018-2019	*Reviewing Board,* CAEP Math Program, National Council of Teachers of Mathematics (NCTM).
2017-	*Manuscript Reviewer,* American Association of Colleges for Teacher Education (AACTE).
2017-2023	*Manuscript Reviewer,* Association for Supervision and Curriculum Development (ASCD).
2016-	*Manuscript Reviewer,* International Journal of Teacher Education and Professional Development (IJTEPD).
2016-2022	*Manuscript Reviewer,* National Council of Teachers of Mathematics (NCTM).
2016-	*Proposal Reviewer,* Annual Meeting of the American Educational Research Association (AERA)—Division K *(Teaching and Teacher Education) & SIG: Mentorship and Mentoring Practices..*
2016-	*Proposal Reviewer,* Annual Meeting of the American Association of Colleges for Teacher Education (AACTE) – Strand 1 *(Preparing Educators In and For the Future)* and Strand 2 *(Renewing Democracy through Activism and Collaboration).*
2016-2022	*Proposal Reviewer*, Annual Meeting of the Association of Supervision and Curriculum Development (ASCD).
2016-2022	*Proposal Reviewer,* National Council for Teachers of Mathematics (NCTM).

GRANTS AND PROJECTS

Grants Under Review

2023	VPR Seed Grant Proposal $32,100 *"SEL For You": SEL Support for the Undergraduate Students in the COE* PI: Gupta, Udita, Co-PI: Wei, Wei

Funded Projects

2022-	*UITE-CONNECT* (Project), UITE, College of Education, University of Utah PI: Gupta, Udita, McCandless, Peggy; Co-PI: Burbank, Mary, Goldsmith, Melissa.
2022-23	*Site Teacher Mentoring & Development Program (STMDP)*, UITE, College of Education, University of Utah. PI: Gupta, Udita, Herman, Kerry
2022-23	Field-Work Pathways for TFU/Noyce Scholars, College of Education. PI: Gupta, Udita, Godsey, Holly, Burbank, Mary.

Funded Grant

2021   Dean's Post Pandemic Seed Grant, $5000
              En Route to Building a Collaborative and Reflective Mentoring Community.
              PI: Gupta, Udita; Co-PI: Burbank, Mary

Submitted *(not funded)*

2023   Faculty Small Grants Proposal $10,000
              Addressing Diverse Learners' Needs Using Global Education Systems Approach
              PI: Gupta, Udita

2023   University Teaching Grant $6450
              Mentors mentoring Mentors
              PI: Gupta, Udita

2023   MUSE Seminar Proposal
              Experiential Secondary School Teaching

2021   CEL Public Service Professor Award $7500
              Building a Collaborative Community with Mentor Teachers
              PI: Gupta, Udita

2021   Long View Foundation $10,000
              Internationalizing Teacher Preparation and Innovations
              PI: Gupta, Udita

2020   1U4U, University of Utah $15,000
              A Collective Faculty Analysis of Four Colleges' Diversity Action Plans
              Co-PIs: Saraf, Sushma, Gupta, Udita, Hoffman, Linda, Archuleta, Elizabeth, Rogers, Elizabeth

2020   Spencer Small Grants Program $49,998
              Impact of Self-Reflection Practices on Pre-Service Teachers' Meta-Cognitive Skills and Pedagogical Practice
              PI: Gupta, Udita; Co-PI: Zheng, Robert

2020   AERA Research Grants, $25,000
              Cohort Collaboration During Covid Times
              PI: Gupta, Udita

2020   University Teaching Grant $2084
              Revamping Knowledge Base in Teacher Preparation Program
              PI: Gupta, Udita

2019   William T. Grant Foundation $49,997
              Using Action Research as a Self-Reflective Strategy for Pre-Service Teachers
              PI: Gupta, Udita; CoPI: Zheng, Robert

2019   NAEd Postdoctoral Fellowship $35,000
Decrypting the Encrypted: Interplay of Modes of Thinking and Cognitive Load For Pre-Service Teachers during High-Stakes Assessment
PI: Gupta, Udita; Co-PI: Zheng, Robert

FELLOWSHIPS, AWARDS AND ACKNOWLEDGEMENTS

2023   *Teaching Award*, College of Education, University of Utah.

2023-24   *Faculty Fellow*, John R. Park Fellowship, University of Utah.

2023   *Faculty Fellow*, Modern Meta-analysis Research Institute (MMARI), Collaboration between University of Georgia and American Institutes for Research (AIR). *(Also represented under professional development category)*

2023-24   *Faculty Fellow*, AERA Proposal Mentorship Program. *(Also represented under professional development category)*

2023   *Faculty Fellow*, AACTE Global Education Professional Learning Community (PLC). *(Also represented under professional development category)*

2022-23   *Faculty Fellow*, VP-NSF Cohort, University of Utah.

2022-23   *Faculty Fellow*, Utah Pathways to STEM Initiatives (UPSTEM), University of Utah.

2021   *Nominated*, Early Career Teaching Award, College of Education, University of Utah.

2020   *Scholar*, NSF-STEM Education, University of Maryland.

2018   *Invited Participation*, National Advisory Committee for ETS NOTE.

2018   *Reviewer Acknowledgement*, American Educational Research Association, Division K-Teacher and Teacher Education and Division K – Section 05: Preservice Teacher Education Coursework: Curriculum and Teaching to Improve Teacher Knowledge, Understanding and Pedagogical Practices.

2000   *Silver Medalist* (II Position in MS (Statistics)), Kanpur University, India

EDUCATIONAL CONSULTING AND PARTICIPATION

2022, Oct.   *Consultation*, Global Teacher Education, Michigan State, Michigan.

2022, June   *Lead*, Mentoring Opportunities for Secondary STEM Teachers in Granite School District to Boost Experimental Science Access and Opportunities for Diverse Students in Secondary Schools, In Collaboration with University of Utah

Science and Education Fair (USEF) and Granite School District, Salt Lake City, Utah

2022, Sept.   *Consultation*, Mentoring STEM Teachers Prior To Licensure Year, In Collaboration with TFU/Noyce Program, College of Education, University of Utah.

2018, Sept.   *Invited Participation*, National Advisory Committee for ETS NOTE, ETS, Princeton, New Jersey

PROFESSIONAL ASSOCIATIONS

American Educational Research Association (AERA)
American Association of Colleges for Teacher Education (AACTE)
National Council for Teachers of Mathematics (NCTM)
Utah Council for Teachers of Mathematics (UCTM)
Association for Supervision and Curriculum Development (ASCD)