
Tonia A. Dousay

Curriculum Vita

Department of Professional Studies
Instructional Technology Program
College of Education, University of Wyoming
Laramie, WY, US 82071

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EDUCATION

Ph.D., Learning, Design, & Technology, University of Georgia, Athens, GA
May, 2013. Dissertation: *Effect of multimedia design principles on situational interest of adult learners*
Chair: Dr. Robert Maribe Branch

M.S., Agricultural Education, Texas A&M University, College Station, TX
December, 2000. Thesis: *Usage and awareness of the online Texas common application by students in the College of Agriculture and Life Sciences at Texas A&M University*
Chair: Dr. Kim E. Dooley

B.S., Agricultural Science, Texas A&M University, College Station, TX
May, 1999.

Google for Education Certified Innovator, Google, Mountain View, CA & CUE, Walnut Creek, CA
December, 2014.

Google Certified Educator, Level 2, Google, Mountain View, CA
January, 2016.

AWARDS AND HONORS

- 2016 Gold Paper Award, 2016 Educational Technology World Conference (ETWC), Bali, Indonesia
- 2016 Award for Advocacy, International Society for Technology in Education (ISTE)
- 2015 Presidential Award for Outstanding Service to AECT 2014-2015, Association for Educational Communications & Technology (AECT)
- 2015 Information Age Publishers (IAP) - Distance Education Best Practices Award, Association for Educational Communications & Technology (AECT)
- 2014 Mary Garland Early Career Fellowship, University of Wyoming College of Education
- 2013 National Science Foundation Early Career Award, Association for Educational Communications & Technology (AECT)
- 2013 Multimedia Production Graduate Student Immersive Learning Award, Association for Educational Communications & Technology (AECT)

2013 Information Age Publishers (IAP) - Distance Education Best Practices Award, Association for Educational Communications & Technology (AECT)

PROFESSIONAL EXPERIENCE

Assistant Professor of Instructional Technology, University of Wyoming Department of Professional Studies; Laramie, WY: 2013 – Present

- Develop and teach undergraduate and graduate courses related to instructional design and instructional technology, conduct scholarly research, advise graduate and undergraduate students, and provide professional service

Adjunct Instructor, James Madison University Learning, Technology & Leadership Education Department; Harrisonburg, VA: 2012 – 2013

- Develop and teach undergraduate courses related to digital literacy and instructional technology, develop and administer tools to evaluate student progress, conduct courses via Blackboard and Collaborate, and mentor students as requested

Instructional Design Consultant, MoWerks Learning; Athens, GA: 2010 – 2013

- Evaluate objective-content alignment in undergraduate curriculum, design interactive assessments for professional examinations, draft documentation to guide objective writing, and advise designers on multimedia best practices

Instructor, Blinn College Applied Business Program; Bryan, TX: 2009 – 2009

- Develop and teach undergraduate course business communications, develop and administer tools to evaluate student progress, supplement course delivery with online resources using the Angel learning management system, and mentor students as requested

eLearning Manager, Texas A&M Engineering Extension Service; College Station, TX: 2006 – 2009

- Select, implement, and manage a learning management system (LearnCenter), develop eLearning content authoring strategy, direct eLearning course design and development, and evaluate new technologies related to eLearning

Instructional Design Specialist, Texas A&M Engineering Extension Service Engineering, Utilities, & Public Works Training Institute; College Station, TX: 2001 – 2006

- Evaluate new technologies related to continuing education; write, edit, and produce technical manuals and multimedia presentations; manage the Texas Local Technical Assistance Program (LTAP) Library; and coordinate Continuing Education Units (CEUs) requests for division courses
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PUBLICATIONS

Books & Chapters

Published

Dousay, T. A. (2016). Tonia's voice: From dirt roads to the ivory tower. In A. J. Donaldson (Ed.), *Women's voices in the field of educational Technology* (pp. 25–31). New York: Springer.

<http://doi.org/10.1007/978-3-319-33452-3>

Persichitte, K. A., Young, S., & Dousay, T. A. (2016). Learner assessment in blended and online settings. In M. D. Avgerinou & S. P. Gialamas (Eds.), *Revolutionizing K-12 blended learning through the i²Flex classroom model* (pp. 88–102). Hershey, PA: Information Science Reference.

Branch, R. M., & Dousay, T. A. (2015). *Survey of instructional design models* (5th ed.). Bloomington, IN: Association for Educational Communications & Technology.

Dousay, T. A. (2015). Reinforcing multiliteracies through design activities. In D. M. Baylen & A. D'Alba (Eds.), *Essentials of teaching and integrating visual and media literacy* (pp. 27–47). New York: Springer International Publishing. <http://doi.org/10.1007/978-3-319-05837-5>

In Press

Dousay, T. A. (accepted). Karma in comics: Discovering hidden superpowers through creating. In E. Janak & L. A. Sourdout (Eds.), *You're not cool just because you teach with comics: Studies on the integration of popular culture in teaching and learning about education*. 05 September 2016.

Dousay, T. A. (accepted). Designing for creativity in interdisciplinary learning experiences. *Edited volume pending decision of Educational Technology World Conference Committee*. 23 January 2017.

Refereed Articles

Published

Dousay, T. A. (2016). Effects of redundancy and modality on the situational interest of adult learners in multimedia learning. *Educational Technology Research and Development*, 64(6), 1251–1271. <http://doi.org/10.1007/s11423-016-9456-3>

Shepherd, C. E., Bolliger, D. U., Dousay, T. A., & Persichitte, K. (2016). Preparing teachers for online instruction with a graduate certificate program. *TechTrends*, 60(1). <http://doi.org/10.1007/s11528-015-0015-2>

Miller, D. R., & Dousay, T. A. (2015). Implementing augmented reality in the classroom. *Issues and Trends in Educational Technology*, 3(2), 1–11.

Shepherd, C. E., Dousay, T. A., Kvenild, C. Meredith, T. (2015). Fostering technology-rich service learning experiences between school librarians and teacher education programs. *Knowledge Quest*, 44(2), 44-52.

Darrington, B., & Dousay, T. A. (2015). Using multimodal writing to motivate struggling students, *TechTrends*, 59(6), 29–34. <http://doi.org/10.1007/s11528-015-0901-7>

Aldosemani, T. I., Shepherd, C. E., Gashim, I., & Dousay, T. A. (2015). Developing third places to foster sense of community in online instruction. *British Journal of Educational Technology*. Advance online publication. <http://doi.org/10.1111/bjet.12315>

In Press

Dousay, T. A., LaVanchy, J., Kilty, T., & Stone, D. (accepted). Confessions of novice designers and their instructor. *International Journal of Designs for Learning*. 30 December 2016.

Submitted for Review

Dousay, T. A. (in review). An evolving makerspace for teacher education. *International Journal of Designs for Learning* (special issue). 03 October 2016.

Dousay, T. A., & Trujillo, N. (in revisions). An examination of gender and situational interest in multimedia learning environments. *British Journal of Educational Technology*. 03 November 2016.

Works in Progress

Dousay, T. A., Anderle, J., Murtaugh, M., & LaVanchy, J. Using virtual interviews with inservice teachers to positively influence preservice teachers' attitudes towards technology. *Journal of Technology and Teacher Education* (target publication).

Conference Proceedings

Dousay, T. A., & Irick, E. M. (2016). Collaborative design: Where PBL and 21st century skills engage learners. In *Society for Information Technology & Teacher Education International Conference* (pp. 1394-1399–1286). Savannah GA: Association for the Advancement of Computing in Education (AACE). Retrieved from <https://www.learntechlib.org/p/171873/>

Barreto, D., Dousay, T. A., Park, S. W., Chien, S. Y., Gay, M., Kim, S. M., Chang, Y., & Branch, R. M. (2012). Exploring active learning as a strategy for teaching research methods in a socio-constructivism environment. AERA Online Paper Repository. Washington, D.C.: American Education Research Association (AERA).

In Press

Dousay, T. A., Swierczek, D., Smith, S., & Owsley, E. (accepted). Don't fear the snakes: designing a hybrid practical experience for preservice teachers in an afterschool Python programming robotics club. In *Society for Information Technology & Teacher Education International Conference*. Austin TX: Association for the Advancement of Computing in Education (AACE).

Non-Refereed Publications

Published

Dousay, T. A. (2017). Leadership profile, Dr. Sharon Smaldino. In M. Orey, S. A. Jones, & R. Branch (Eds.), *Educational media and technology yearbook* (Vol. 40). New York: Springer.

Dousay, T. A. (2017). Leadership profile, Dr. Edward Caffarella. In M. Orey, S. A. Jones, & R. Branch (Eds.), *Educational media and technology yearbook* (Vol. 40). New York: Springer.

Dousay, T. A. (2016). My hope for the future of instructional technology: Response. In A. A. Carr-Chellman & G. Rowland (Eds.), *Issues in technology, learning, and instructional design: Classic and contemporary dialogues* (pp. 92–93). New York: Routledge Publishers.

Dousay, T. A. (2015). Teaching in a Digital Age, by A. W. (Tony) Bates. *Quarterly Review of Distance Education*, 16(4), 99-102.

Dousay, T. A. (2015). Conversations with innovators in learning and technology. *TechTrends*, 59(4), 18–21. <http://doi.org/10.1007/s11528-015-0867-5>

Dousay, T. A. (2015). Digital literacy in elementary and secondary education. In J. M. Spector (Ed.), *SAGE encyclopedia of educational technology* (pp. 219–221). Thousand Oaks, CA: Sage Publications, Inc.

Dousay, T. A. (2015). Leadership profile, Remembering Jackie Hill. In M. Orey, S. A. Jones, & R. Branch (Eds.), *Educational media and technology yearbook* (Vol. 39). New York: Springer.

Dousay, T. A. (2014). Leadership profile, Dr. Philip L. Doughty. In M. Orey, S. A. Jones, & R. Branch (Eds.), *Educational media and technology yearbook* (Vol. 38). New York: Springer.

Dousay, T. A. (2014). Leadership profile, Tribute to David Jonassen. In M. Orey, S. A. Jones, & R. Branch (Eds.), *Educational media and technology yearbook* (Vol. 38). New York: Springer.

Dousay, T. A. (2014). Multimedia design and situational interest: A look at juxtaposition and measurement. In M. Orey, S. A. Jones, & R. Branch (Eds.), *Educational media and technology yearbook* (Vol. 38). New York: Springer.

Dousay, T. A., & Branch, R. M. (2013). Visual competency. In Richey, R. C. (Ed.), *Encyclopedia of terminology for educational communications and technology*. New York: Springer.

Dousay, T. A., Igoche, D., & Branch, R. M. (2011). Using self-regulated learning as a strategy for teaching research methods to doctoral students. In M. Orey, S. A. Jones, & R. M. Branch (Eds.), *Educational media and technology yearbook* (Vol. 36). New York: Springer.

In Press

Dousay, T. A., (accepted). Defining & differentiating the makerspace. *Educational Technology*. 27 July 2016.

Hester-Croff, C., & Dousay, T. A. (accepted). Education and the Internet: Elementary schools. In B. Warf (Ed.), *SAGE encyclopedia of the internet*. Thousand Oaks, CA: Sage Publications, Inc. 02 January 2017

CONFERENCE PRESENTATIONS

National/International

Refereed

Dousay, T. A., Swierczek, D., Smith, S., & Owsley, E. (2017, March). *Don't fear the snakes: designing a hybrid practical experience for preservice teachers in an afterschool Python programming robotics club*. Brief paper to be presented at the Society for Information Technology & Teacher Education annual conference, Austin, TX.

Jin, Y., Schmidt-Crawford, D., Culver, D., Boyer, D. M., Dousay, T. A., Akcaoglu, M., & Lee, E. (2017, March). *Makerspaces and teacher education*. Panel discussion to be presented at the Society for Information Technology & Teacher Education annual conference, Austin, TX.

Kopcha, T. J., Brynteson, K., Dousay, T. A., Pitman, E., & Thomas, G. (2016, October). *Making makers: Preparing teachers to engage in the maker movement*. Panel discussion presented at the Association for Educational Communications & Technology Annual Convention, Las Vegas, NV.

Asino, T. I., Dousay, T. A., Kapptie, J., Hine, K., Haselwood, S., & Baker, A. (2016, October). *Reading between the lines: Where do social media platforms fit in the teacher professional development landscape?* Panel discussion presented at the Association for Educational Communications & Technology Annual Convention, Las Vegas, NV.

York, C. S., Dousay, T. A., & Sinde, M. (2016, August). *Preparing teachers to use Makerspaces*. Concurrent session presented at the 4th International Symposium on New Issues in Teacher Education (ISNITE), Savonlinna, Finland.

Dousay, T. A. (2016, August). *Designing for creativity in interdisciplinary learning experiences*. Paper presented at the Educational Technology World Conference, Bali, Indonesia.

Dousay, T. A., & Hayes, J. (2016, June). *Storytelling & comics: Unlocking digital making superpowers in Social Studies classes*. Poster presented at the International Society for Technology in Education 2016 Conference and Expo, Denver, CO.

Dousay, T. A., & Irick, E. M. (2016, March). *Collaborative design: Where PBL and 21st century skills engage learners*. Paper presented at the Society for Information Technology & Teacher Education annual conference, Savannah, GA.

Dousay, T. A., Anderle, J., Murtaugh, M. C., Kilty, T., & LaVanchy, J. (2015, November). *Using virtual interviews with inservice teachers to positively influence preservice teachers' attitudes towards*

- technology*. Concurrent session presented at the Association for Educational Communications & Technology Annual Convention, Indianapolis, IN.
- Lee, E., Akcaoglu, M., Dousay, T. A., Boyer, D. M., & Brynteson, K. (2015, November). *Makerspaces in higher education: Design, development, implementation, and research for teacher education and beyond*. Panel discussion presented at the Association for Educational Communications & Technology Annual Convention, Indianapolis, IN.
- Baylen, D., D'Alba, A., Robinson, R., Dousay, T. A., Draper, D. (2015, November). *Teaching and integrating visual and media literacy for all*. Panel discussion presented at the Association for Educational Communications & Technology Annual Convention, Indianapolis, IN.
- Shepherd, C. E., Dousay, T. A., Bolliger, D. U., & Aldosemani, T. (2015, November). *Designing third places to support program community and organizational networking in online education programs*. Concurrent session presented at the Association for Educational Communications & Technology Annual Convention, Indianapolis, IN.
- Dousay, T. A., Hamilton, A. J., & Brooks, A. (2015, May). *Brining the maker movement to your classroom*. Presentation presented at the Google Edu On Air 2015 Conference. Retrieved from: <https://educationonair.withgoogle.com/live/2015-may/day2/td005>
- Miller, C. T., York, C. S., & Dousay, T. A. (2014, November). *Thirty-five years of leadership: A study on the impact of the Strohbehn and Cochran internships*. Concurrent session presented at the Association for Educational Communications & Technology Annual Convention, Jacksonville, FL.
- Des Armier, D., Jr., Dousay, T. A., Shepherd, C. (2014, November). *Students' use of digital storytelling to enhance digital literacy skills: Implications for best practices in postsecondary education*. Concurrent session presented at the Association for Educational Communications & Technology Annual Convention, Jacksonville, FL.
- Asino, T. I., Malapile, L. J., & Dousay, T. A. (2013, October). *Children as design partners: A case of Namibia, South Africa and US*. Roundtable session presented at the Association for Educational Communications & Technology Annual Convention, Anaheim, CA.
- Dousay, T. A. (2013, October). *From death by PowerPoint to engaging Captivate: Lessons learned when implementing specific design principles*. Concurrent session presented at the Association for Educational Communications & Technology Annual Convention, Anaheim, CA.
- Dousay, T. A. (2013, October). *Measuring the impact of multimedia design on situational interest of learners*. Roundtable session presented at the Association for Educational Communications & Technology Annual Convention, Anaheim, CA.
- Branch, R. M., & Dousay, T. A. (2013, September). *Survey of instructional design models*. Paper presented at the Gaborone International Design Conference, Gaborone, Botswana.
- Dousay, T. A., Orey, M., Burton, J., Lockee, B., Murtaugh, M., & Asino, T. I. (2013, February). *Graduate students in academia: Should they be seen and not heard?* Roundtable session presented at the Eastern Educational Research Association Annual Conference, Sarasota, FL.
- Jensen, L., Barreto, D., & Dousay, T. A. (2013, February). *GameWerks: Fostering 21st century skills in a video game design apprenticeship*. Concurrent session presented at the Eastern Educational Research Association Annual Conference, Sarasota, FL.
- Dousay, T. A. & Branch, R. M., (2012, October). *Designing multimedia to trigger and maintain situational interest*. Concurrent session presented at the Association for Educational Communications & Technology Annual Convention, Louisville, KY.

- Barreto, D., Dousay, T. A., Park, S. W., Chien, S. Y., Gay, M., Kim, S. M., Chang, Y., & Branch, R. M. (2012, April). *Exploring active learning as a strategy for teaching research methods in a socio-constructivism environment*. Paper presented at the American Educational Research Association Annual Meeting, Vancouver, British Columbia.
- Gay, M., Logan, R., & Dousay, T. A. (2012, February). *Aesthetic value of design elements in an educational game*. Poster session presented at the Eastern Educational Research Association Annual Conference, Hilton Head, SC.
- Jensen, L., & Dousay, T. A. (2012, February). *GameWerks: Fostering creativity, motivation, and 21st century skills through game design*. Symposium presented at the Eastern Educational Research Association Annual Conference, Hilton Head, SC.
- Logan, R., Dousay, T. A., & Gay, M. (2012, February). *Crafting a balance between learning and fun in an educational game*. Roundtable session presented at the Eastern Educational Research Association Annual Conference, Hilton Head, SC.
- Dousay, T. A. & Logan, R. (2011, September). *Analyzing & evaluating the phases of ADDIE*. Paper presented at the Design, Development and Research Conference, Cape Town, South Africa.
- Dousay, T. A. (2011, February). *Multimedia design of online coursework*. Roundtable session presented at the Eastern Educational Research Association Annual Conference, Sarasota, FL.
- Dousay, T. A. & Logan, R., (2011, February). *Adventures in ADDIE: Lessons from the field*. Roundtable session presented at the *Eastern Educational Research Association Annual Conference*, Sarasota, FL.
- Chien, J., Dousay, T. A., Park, S., Gay, M., Igoche, D., & Branch, R. M. (2010, June). *Text, period spacing, and mobile devices*. Presentation at the Association for the Advancement of Computing in Education ED-MEDIA, Toronto, ON.
- Dousay, T. A., Igoche, D., & Branch, R. M. (2010, February). *Teaching research methods: Perceptions of current and formal doctoral students*. Poster session presented at the Eastern Educational Research Association Annual Conference, Savannah, GA.

Invited/Non-Refereed

- Branch, R. M., & Dousay, T. A. (2017, January). Survey of instructional design models. Webinar to be presented for e/merge Africa, Cape Town, SA.
- Dousay, T. A. (2016, October). Create your own interactive instructional videos with Camtasia & YouTube. Interactive workshop presented at the Association for Educational Communications & Technology Annual Convention, Las Vegas, NV.
- Anderle, J. S. & Dousay, T. A. (2016, August). Teaching with technology: Leveraging classroom technology to engage learners. Breakout session to be presented at the 22nd Annual Training Conference on Drugs, Alcohol and Impaired Driving, Denver, CO.
- Dousay, T. A. (2016, June). *Go paperless (relatively) painless*. ISTE Google Playground presented at the International Society for Technology in Education 2016 Conference and Expo, Denver, CO.
- Dousay, T. A. (2016, June). Full STEAM Ahead: Painting with programming. Interactive presentation at the 2nd Annual National Maker Faire, Washington, D.C.
- Persichitte, K. A., Dousay, T. A., Hodges, C. B., Schmidt, M., & Kopcha, T. J. (2016, March). *AECT & SITE: Challenges of bridging theory, research, and practice*. Panel discussion presented at the Society for Information Technology & Teacher Education annual conference, Savannah, GA.

- Hollett, T., Holden, J. I., Weible, J. L., & Dousay, T. A., (2015, November). *Designing for playful learning*. Panel discussion presented at the Association for Educational Communications & Technology Annual Convention, Indianapolis, IN.
- Donaldson, A., Smaldino, S., Herring, M., Leutkehans, L. M., Persichitte, K., Dousay, T. A., & Mellish, L. L., (2015, November). *Walking in their footsteps (or high heels): AECT women discuss the influence of the women who paved the way*. Panel discussion presented at the Association for Educational Communications & Technology Annual Convention, Indianapolis, IN.
- Dousay, T. A., (2015, June). *A heritage of making comics*. Interactive presentation at the 1st Annual National Maker Faire, Washington, D.C.
- Dousay, T. A., & Smith, S. (2014, November). *Grant Seeking & Writing for P12 Teachers*. Workshop session presented at the Association for Educational Communications & Technology Annual Convention, Jacksonville, FL.
- Asino, T. I., Malapile, L. J., & Dousay, T. A. (2013, May). *Children as designers: A case of Namibia, South Africa and US*. Presentation at eLearning Africa 2013, Windhoek, Namibia.
- Branch, R., Dousay, T. A., Walker, B., Valentine, K., & Gay, M. (2011, September). *A high fidelity instructional strategy*. Roundtable session presented at the Meeting of AoB AcademE of Botswana, Gaborone, Botswana.

State/Local

Invited/Non-Refereed

- Dousay, T. A. (2016, November). *Learn something new every day*. Capnote speech presented at the Wyoming Extension Professional Improvement Conference (EPIC), Laramie, WY.
- Dousay, T. A. (2016, October). *Make-what?* Concurrent session presented at the e-Volution Conference, Laramie, WY.
- Dousay, T. A. (2016, September). *Going Google-y*. Demonstration and discussion presented for the University of Wyoming Ellbogen Center for Teaching and Learning TNT Lunchbox Series, Laramie, WY.
- Dousay, T. A. (2016, June). *Creating comics with Google Slides & Drawings*. Interactive session presented at the EdTechTeam Wyoming Summit Featuring Google for Education, Riverton, WY.
- Dousay, T. A. (2016, June). *Herding cats with Google Apps*. Interactive session presented at the EdTechTeam Wyoming Summit Featuring Google for Education, Riverton, WY.
- Shepherd, C. E., & Dousay, T. A. (2016, May). *Service learning and community partnerships in distance programs*. Session presented at the WyDEC Distance Education Conference, Casper, WY.
- Shepherd, C. E., Bolliger, D. U., Dousay, T. A., & Persichitte, K. A. (2016, May). *Developing a sense community that extends beyond course boundaries*. Session presented at the WyDEC Distance Education Conference, Casper, WY.
- Shepherd, C. E., Smith, S., & Dousay, T. A. (2016, May). *Painting with programming*. Interactive session at the Women in STEM Conference, Laramie, WY.
- Dousay, T. A. (2016, May). *Cardboard arcade: Level up with STEM*. Interactive presentation at the Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference, Green River, WY.

- Dousay, T. A. (2016, February). *Technology enhanced active learning strategies*. Discussion presentation at the 1st Annual Wyoming K16 All Sciences Summit, Casper, WY.
- Dousay, T. A. (2015, October). *Skulls & [cross]bones with WyoMakers*. Interactive presentation at the No Co Mini Maker Faire, Loveland, CO.
- Dousay, T. A. (2015, October). *From the Avengers to Zod: Unmasking comics and multiliteracies in the classroom*. Interactive workshop at the University of Wyoming Literacy Education Conference, Laramie, WY.
- Paratore, J., Dalton, B., Dousay, T. A., Mielke, T., Geringer, J., & James, J. (2015, October). *Multiple modes of literacy*. Interactive panel discussion at the University of Wyoming Literacy Education Conference, Laramie, WY.
- Irick, E. M., & Dousay, T. A. (2015, September). *Design partnerships: Fabric printing and pattern making between undergraduate and middle grades students*. Concurrent session presented at the e-Volution Conference, Laramie, WY.
- Dousay, T. A., Bryant, H. V., & Kilty, T. (2015, September). *Virtually powerful: structuring online internships for experiential learning in a graduate program*. Concurrent session presented at the e-Volution Conference, Laramie, WY.
- Dousay, T. A., & Mathieson, S. (2015, September). *Experiential and service learning in the UW Lab School through faculty partnerships*. Roundtable session presented at the e-Volution Conference, Laramie, WY.
- Dousay, T. A., & O'Donnell, J. (2015, May). *Your superhero sidekicks: Google add-ons & extensions*. Concurrent session presented at the Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference, Rock Springs, WY.
- Shepherd, C. E., Bolliger, D. U., Dousay, T. A., & Persichitte, K. (2015, May). *Preparing a new generation of teachers to teach online*. Concurrent session presented at the Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference, Rock Springs, WY.
- Dousay, T. A. (2015, April). *Using Camtasia and segmented videos to foster student autonomy and engagement in an online course*. Demonstration and discussion presented for the University of Wyoming Ellbogen Center for Teaching and Learning, Laramie, WY.
- Dousay, T. A. (2015, April). *Using social media in the classroom*. Panel discussion participant for the University of Wyoming Ellbogen Center for Teaching and Learning, Laramie, WY.
- Dousay, T. A. (2015, March). *Ideas for incorporating technology in the classroom*. Panel discussion participant for the University of Wyoming Ellbogen Center for Teaching and Learning, Laramie, WY.
- Dousay, T. A. (2015, March). *Teaching with robots: Math and science*. Presentation for the SaturdayU program. Jackson, WY.
- Dousay, T. A. (2014, September). *Collaborative tools for multimedia learning & development in online courses*. Roundtable session presented at the e-Volution Conference, Laramie, WY.
- Trujillo, N., & Dousay, T. A. (2014, March). *An examination of gender and situational interest in multimedia learning environments*. Session presented at the College of Education Research Symposium, University of Wyoming, Laramie, WY.
- Dousay, T. A. (2009, February). *eLearning development & instructional design*. Roundtable session presented at the State of Texas DIR Inter-Agency Training Expo, Austin, TX.

Dousay, T. A. (2009, February). *Aligning objectives with engaging activities [eBlooms]*. Presentation for the E-Learning Council and State of Texas DIR Webinar Series, Austin, TX.

Dousay, T. A. (2009, February). *Engaging the online learner*. Presentation for the E-Learning Council and State of Texas DIR Webinar Series, Austin, TX.

Dousay, T. A. (2009, February). *eLearning in the 21st century*. Presentation at the State of Texas DIR E-Learning Forum, Austin, TX.

Dousay, T. A., & Martin, R. (2008, November). *From lecture to online: Learner-centered design*. Presentation at the Lee College Innovations in Teaching & Learning Technology Conference, Baytown, TX.

McNew, K., & Dousay, T. A. (2008, October). *eLearning development*. Presentation at the Texas Commission on Law Enforcement Officer Standards and Education (TCLEOSE) Training Coordinator's Conference, Corpus Christi, TX.

GRANT ACTIVITY

Funded

Year	Grant Title	Role	PI(s)	Funded
2015	RAMPED: Robotics, Applied Mathematics, Physics, and Engineering Design <i>Source:</i> Wyoming Department of Education Math-Science Partnership Grant Program	Consultant	Burrows, A.	\$211,355
2014	Building a makerspace at the University of Wyoming <i>Source:</i> Mary Garland Early Career Fellowship, University of Wyoming College of Education	PI	Dousay, T. A.	\$25,000
2014	Google Glass applications in the classroom <i>Source:</i> University of Wyoming Outreach Credit Programs TIE Grant Program	PI	Dousay, T. A.	\$650
2014	Content fluency through a visual literacy design activity <i>Source:</i> University of Wyoming American Heritage Center	PI	Dousay, T. A.	\$2000

Pending

Year	Grant Title	Role	PI(s)	Applied
2017	STEAMpressed fabric design	PI	Dousay, T. A.	\$5000
<i>Source: Kinder Morgan Foundation</i>				
2017	WEST - Wyoming's Engineering, Security, and Teaching: Utilizing K12 Teaching Expertise as a Vehicle for University Engineering Faculty Change	Co-PI	Burrows, A. Dousay, T. A. Borowczak, M. Muknahallipatna, S. Kubichek, R.	\$1,999,997
<i>Source: National Science Foundation</i>				

Unfunded

Year	Grant Title	Role	PI(s)	Applied
2016	CAREER: Bridging the maker movement across disciplines	PI	Dousay, T. A.	\$ 558,890
<i>Source: National Science Foundation</i>				
2016	Making, hacking, & tinkering: University freshmen tackle real world problems	PI	Dousay, T. A.	\$7500
<i>Source: University of Wyoming Faculty Grant-In-Aid</i>				
2015	Outreach School, Ellbogen Center for Teaching and Learning, & College of Education Joint Proposal for the UW Graduate Recruiting Initiative AY2015-2016: Establishing virtual internships for online doctoral students	Co-PI	Dousay, T.A. Boggs, C. Van Balen-Wood, M.	\$20,000
<i>Source: University of Wyoming Office of Academic Affairs</i>				
2015	Gamification and creativity in an app to stimulate secondary and postsecondary interest in engineering careers	Co-PI	Denzer, A. Wang, L. Dousay, T. A.	\$150,000
<i>Source: National Science Foundation Professional Formation of Engineers (PFE: RIEF) Research Initiation in Engineering Formation</i>				
2014	Applied integration of math & science (AIMS) professional development program for K12 teacher	Co-PI	Roth, D. Dousay, T. A.	\$175,000
<i>Source: Wyoming Department of Education Math-Science Partnership Grant Program</i>				

PROFESSIONAL AFFILIATIONS

Current

Association for Educational Communications and Technology (AECT)

SIG Division of Distance Learning of AECT

SIG Teacher Education Division of AECT

International Society for Technology in Education (ISTE)

Professors of Instructional Design and Technology (PIDT)

Society for Information Technology and Teacher Education (SITE)

Wyoming Technology-Engagement-Curriculum Connection (WyTECC)

Past

Eastern Educational Research Association (EERA)

Texas Distance Learning Association (TxDLA)

Association for Talent Development (ATD, formerly ASTD)

eLearning Guild

SERVICE

National/International

Leadership

2016-Present	Nation of Makers, State Representative
2016-Present	AECT SIG Division of Distance Learning President
2015-2016	AECT SIG Division of Distance Learning President-Elect
2015-2016	AECT Nominating Committee
2015-Present	AECT Awards Committee
2015-2016	Google Certified Innovator Program Mentor
2014-2017	Google Educator Group (GEG) – High Plains Chapter Leader
2013-2016	AECT Leadership Intern Program Coordinator
2013-2014	AECT SIG Graduate Student Assembly Past-President
2012-2013	AECT SIG Graduate Student Assembly President
2011-2012	AECT SIG Graduate Student Assembly President-Elect

Scholarly Activities

- 2016-Present *International Journal of Designs for Learning* journal reviewer
- 2016-2017 *TechTrends* special issue guest co-editor, Social media & emerging spaces: Professional development in the 21st century
- 2015-2019 Graduate Faculty Scholar, Northern Illinois University
- 2015-2016 Wyoming Education Trust Fund Grant proposal reviewer (Wyoming Department of Education)
- 2015-2016 #AECTchat co-moderator & coordinator
- 2015-Present #wyoedchat guest moderator
- 2015-Present *TechTrends* journal reviewer
- 2014-2015 ATD/IACET: Instructional Design Competency Study Advisory Board member
- Fall 2014 Manuscript Editor, SAGE Open
- Spring 2014 Smarter Balanced® Online Panel for Achievement Level Setting, English/Language Arts – High School

Conference Planning

- 2016 AECT SIG Division of Distance Learning Annual Convention Planner (Las Vegas, NV)
- 2015 PIDT Conference Co-Planner (Estes Park, CO)
- 2014 AECT Annual Convention Planner (Jacksonville, FL)
- 2013 AECT SIG Graduate Student Assembly Annual Convention Planner (Anaheim, CA)
- 2012 AECT SIG Graduate Student Assembly Annual Convention Co-Planner (Louisville, KY)
- 2011 AECT Annual Convention Volunteer Supervisor (Jacksonville, FL)
- 2011 IEEE International Conference on Advanced Learning Technologies (ICALT) Conference Volunteer (Athens, GA)
- 2010 AECT Annual Convention Volunteer Supervisor (Anaheim, CA)
- 2009 AECT Annual Convention Volunteer (Louisville, KY)

University of Wyoming

- 2017-Present State of Wyoming Open Education Resources (OER) Initiative, UW Representative
- 2016 3rd John P. Ellbogen Center for Teaching & Learning Summer Institute, Mentor
- 2015-2016 State of Wyoming Digital Learning Plan, Advisory Panel Member
- 2015-2016 College of Education Technology Committee, Department of Professional Studies Representative & Committee Chair
- 2015-2017 International Programs Office Digital Consultant
- 2015-2017 WySTEM partner, WyoMakers makerspace

Fall 2015 University Studies Program Committee, College of Education Representative

2015-2017 College of Engineering Student Innovation Center Planning Committee

2014-2016 Laramie Robotics Club faculty mentor

2014-2015 University of Wyoming College of Education Research Symposium Planning Committee

2014-2016 College of Education Advisory Council for Teacher Education, Department of Professional Studies Representative

2014-2015 College of Education International Action Council, Department of Professional Studies Delegate

2013-2015 Laramie Friendship Families, Host family for international students

University of Georgia

2011-2012 Graduate Researchers in Educational Psychology and Instructional Technology Past President

2010-2011 Department of Educational Psychology and Instructional Technology Executive Committee, ex-officio member

2010-2011 Instructional Technology Students Association Vice President

2010-2012 Instructional Technology Students Association Website Committee Chairperson

2010-2011 Graduate Researchers in Educational Psychology and Instructional Technology President

2009-2012 Graduate Researchers in Educational Psychology and Instructional Technology Website Committee Chairperson

ADVISING

Doctoral

Student Name	Role	Prog	Status	Title
Tahani Aldosemani	Co-Chair	ITEC	SP14	Second Life as a third place for ELLs' cross-cultural interaction*
Sultan Almughyirah	Member	EDCI	Current	
Jonlee Anderle	Chair	ITEC	Current	
H. Victoria Bryant	Member	ITEC	Current	
Coralina Daly	Member	ADED	Current	
Kami Danaei	Member	ADED	Current	
Heidi Edmunds	Chair	ADED	Current	
Rhonda Gamble	Member	ITEC	Current	
Paige Gardiner	Member	ADED	Current	
Chontelle Gray	Member	ADED	Current	
Donna Hunter	Member	ESCI	Current	
Joshua Imes	Member	ADED	Current	
Mary Lin	Chair	ITEC	Current	
Anna Miarka-Grzelak	Member	ADED	Current	

Jason Murdock	Member	EDCI	Current	
Christopher Padesky	Member	EDCI	Current	
Michael Sinde	Member	ETT**	Current	

* Submitted for publication with student (1)

** Student enrolled at Northern Illinois University (1)

Masters

Student Name	Role	Prog	Status	Title
Alivia Bingham	Member	ITEC	SP14	Closing the achievement gap
Jacob Blazzard	Chair	ITEC	Current	
Mary Bozym	Member	EDCI	Current	
Sean Conaway	Member	SMTC	Current	
Brett Darrington	Chair	ITEC	SP14	Using multimodal writing to motivate struggling students to write*
Shawn Green	Chair	SMTC	Current	
Maddison Haak	Member	COJO	Current	
Tammi Hanshaw	Chair	ITEC	Current	
Joshua Haynes	Member	ADED	SP15	No veteran left behind: Enhancing personal life, career development, and social health via adult and continuing education
Nicole Hewitt-Gaffney	Chair	ITEC	Current	
Danee Hunzie	Member	ADED	SP15	The case for service learning in adult education: A literature review of how service learning aligns with the assumptions of andragogy
Elizabeth Jackson-Little	Chair	ADED	SP14	Competency-based degree programs
Leesa Lee	Member	ITEC	SP14	Emerging technology and integration
Ryan McGinn	Member	ADED	SP15	Student-athlete admission standards
Douglas Miller	Chair	ITEC	SP14	Implementing augmented reality at a classroom level*
Ann Muirhead	Chair	ITEC	SP14	Benefits and limitations of a flipped classroom
Christopher Padesky	Member	EDCI	F15	Impact of small-group text-based discussion on students' analytical response to informational text
Kendra Peltier	Chair	ITEC	SP16	Implementing case based learning into a current nursing program
Michele Recker	Member	EDCI	SP15	Differentiation during writing in a kindergarten classroom
Brenna Reynolds	Member	ITEC	SP14	Striking the optimal course offering balance
Leah Ritz	Member	SMTC	SP15	Teaching with CAVE virtual reality systems: Instructional design strategies that promote adequate cognitive load for learners
Patrick Shelby	Chair	ITEC	Current	
Dillon Stone	Chair	ITEC	SP16	Defense case study
Matthew Vines	Chair	ITEC	Current	
Aaron Walaitis	Chair	ITEC	Current	
Doug Watterston	Chair	ITEC	Current	
Travis Williams	Chair	ITEC	SP16	Implementing collaborative case-based learning in a nursing curriculum

* Submitted for publication with student (2)

Undergraduate

2016-2017 – 17 students

2015-2016 – 26 students

2014-2015 – 17 students

2013-2014 – 8 students

TEACHING

University of Wyoming

ITEC 1101 FYS: Making, Hacking, & Tinkering: Creating in the Modern World (3 credits)

Delivery: Face-to-face

Level: Undergraduate

Description: Search and purchasing habits, social network posts, friend initiated tags, and other information generates a semi-permanent digital image that corporations mine to sell products and services and make hiring decisions. How accurate is your digital profile? Does it include the information you want to share? This course explores digital profiles, how information is collected and interpreted, and develops management plans so students can take control of their personal and professional identities.

- Summer 2016, 12 students

ITEC 1101 FYS: Taking Control of Your Digital Image (3 credits)

Delivery: Online, synchronous weekly meetings

Level: Undergraduate

Description: The path to designing and implementing solutions to real world problems or even little projects that challenge us from day to day is messy. What information is necessary to see the big picture? How many different solutions are possible? What tools are available to solve the problem? Will our solution work? Together, we'll tackle these questions on the road to making, hacking, and tinkering our way through problems facing Laramie, UW, and the state of Wyoming.

- Fall 2016, 23 students

ITEC 2360 Teaching with Technology (3 credits)

Delivery: Face-to-face with field experience

Level: Undergraduate

Description: The purpose of this course is to introduce students to a variety of technology and simulate the conditions under which educators typically work with technology in their classrooms.

- Spring 2017, 25 students
- Spring 2016, 25 students
- Fall 2015, 22 students
- Summer 2015, 7 students
- Spring 2015, 26 students
- Summer 2014, 15 students
- Spring 2014, 22 students
- Fall 2013, 18 students

ITEC 4340 Integrating Technology in Teaching (3 credits)

Delivery: Online

Level: Undergraduate/Graduate

Description: This course focuses on the theories and practices behind successful integration of technology into the 21st century classroom and requires students to develop an advanced plan for the actual implementation of a technological tool in their area of specialization.

- Summer 2016, 20 students
- Summer 2013, 18 students

ITEC 5120 Media Workshop in P12 Grant Writing (1 credits)

Delivery: Online

Level: Graduate

Description: An introduction to grant seeking and workshop on how to create a funding plan and draft a grant proposal specifically for the P12 classroom teacher.

- Summer 2014, 9 students

ITEC 5120 Media Workshop in Digital Imaging (3 credits)

Delivery: Online

Level: Graduate

Description: An introduction to digital and mobile photography, image manipulation, and applications of digital imaging in professional contexts.

- Summer 2015, 24 students

ITEC 5160 Introduction to Instructional Design (3 credits)

Delivery: Online

Level: Graduate

Description: This course is an introduction to the theory and practice of instructional design. It includes an intensive study of the instructional design process and application of the process to solve instructional problems.

- Fall 2013, 19 students

ITEC 5320 Message Design (3 credits)

Delivery: Online

Level: Graduate

Description: This course introduces the theoretical frameworks and skills necessary to evaluate and create visual representations of information. Topics of application include visual literacy, learning theories, instructional design, instructional technology, and information presentation.

- Spring 2017, 18 students
- Spring 2016, 20 students
- Spring 2015, 16 students

ITEC 5350 Multimedia Development (3 credits)

Delivery: Online

Level: Graduate

Description: An introduction to fundamental photographic procedures that teachers, administrators, and others can apply to solve communication problems. Includes the selection of cameras, films, and the appropriate utilization of these and other photographic equipment often found in today's schools and other social institutions. Laboratory time is expected to extend beyond scheduled class hours. A materials fee will be assessed.

- Spring 2017, 15 students
- Spring 2016, 18 students
- Spring 2015, 7 students
- Spring 2014, 20 students

ITEC 5870 Seminar on Message Design (3 credits)

Delivery: Online

Level: Graduate

Description: This course introduces the theoretical frameworks and skills necessary to evaluate and create visual representations of information. Topics of application include visual literacy, learning theories, instructional design, instructional technology, and information presentation.

- Spring 2014, 20 students

PRST 5610 Introduction to Doctoral Studies (3 credits)

Delivery: Hybrid

Level: Graduate

Description: Introduce incoming doctoral students to the fundamentals of doctoral study for the Ph.D. degree. Includes developing an understanding of higher education, the organization and purposes of doctoral programs, and the exploration of the roles of teaching, research, and service at the university.

- Fall 2016, 8 students
- Fall 2015, 11 students

James Madison University

LTLE 150 Information in Contemporary Society (3 credits)

Delivery: Online, synchronous

Level: Undergraduate

Description: The purpose of this course is to generate awareness of, and critical engagement with, information and related systems and processes that influence contemporary society.

- Spring 2013, 20 students

LTLE 370 Instructional Technology (3 credits)

Delivery: Online, synchronous

Level: Undergraduate

Description: This course engages learners in the systematic planning of selecting, using, and evaluating instructional media and designing for learning environments.

- Spring 2013, 30 students
- Fall 2012, 30 students

University of Georgia

EDIT 9990 Information Design

Delivery: Hybrid

Level: Graduate [Co-Instructor]

Description: This course provides the foundation for learners to effectively messages for presenting through a variety of media.

- Spring 2012, 6 students

EDIT 7550 Managing Instructional Technology Projects (3 credits)

Delivery: Online

Level: Graduate [Co-Instructor]

Description: The purpose of this introductory course is to prepare students to plan, organize and manage projects of all types, but particularly projects that involve some sort of technology.

- Summer 2012, 23 students

EDIT 2000 Introduction to Computers for Teachers (3 credits)

Delivery: Face-to-face

Level: Undergraduate

Description: This course focuses on creating teaching and learning environments using technology, including designing products for learning environments

- Spring 2011, 22 students

Blinn College

BMGT 2305 Business Communications (3 credits)

Delivery: Face-to-face

Level: Undergraduate

Description: This course focuses on the study of advanced principles of oral and written communication for managers in the workplace.

- Spring 2009, 21 students

MEDIA HIGHLIGHTS

UW's Dousay Receives Honors, Opportunities at National Maker Faire

July 25, 2016 – A trip to Washington, D.C., to represent the University of Wyoming at the 2016 National Maker Faire this summer yielded the expected opportunities to spotlight UW's emerging work in the movement for College of Education faculty member Tonia Dousay, along with a couple of surprising twists -- including an invitation from the White House Office of Science and Technology Policy.

<http://www.uwyo.edu/uw/news/2016/07/uws-dousay-receives-honors,-opportunities-at-national-maker-faire.html>

UW's Dousay Recognized for Advocacy, Collaborations in Education Technology

May 16, 2016 – University of Wyoming College of Education faculty member Tonia Dousay recently received the International Society for Technology in Education (ISTE) Award for Advocacy.

<http://www.uwyo.edu/uw/news/2016/05/uws-dousay-recognized-for-advocacy,-collaborations-in-education-technology.html>

UW's Dousay Honored by Instructional Technology Organization

September 21, 2015 – University of Wyoming College of Education faculty member Tonia Dousay's work to enhance the online student learning experience has received national recognition from the Association for Educational Communications and Technology (AECT).

<http://www.uwyo.edu/uw/news/2015/09/uws-dousay-honored-by-instructional-technology-organization.html>

UW's Saturday U Scheduled March 7 in Jackson

March 2, 2015 – The spring term of Saturday U, the University of Wyoming's free one-day college education program, comes to an end Saturday, March 7, in Jackson.

<http://www.uwyo.edu/uw/news/2015/03/uws-saturday-u-scheduled-march-7-in-jackson.html>

New UW Program Targets Hands-On Learning

February 10, 2015 – New opportunities to engage students in creative projects drawing on design and problem-solving skills have been opened at the University of Wyoming's College of Education as a result of a new program called WyoMakers.

<http://www.uwyo.edu/uw/news/2015/02/new-uw-program-targets-hands-on-learning.html>

UW's Dousay Chosen to Attend Google Teacher Academy

October 27, 2014 – University of Wyoming Assistant Professor of Instructional Technology Tonia Dousay joins a select group of educators participating in the next Google Teacher Academy Dec. 2-3 in Austin, Texas.

<http://www.uwyo.edu/uw/news/2014/10/uws-dousay-chosen-to-attend-google-teacher-academy.html>