The following are resources available regarding Universal Design for Learning

## Websites

* AHEAD.IE – Ireland’s AHEAD is an independent non-profit organisation working to create inclusive environments in education and employment for people with disabilities. The main focus of their work is further education and training, higher education and graduate employment. They do some great work in UDL research and training – the UDL materials can be found at <https://ahead.ie/udl>
* CAST – the original organization for UDL is <https://www.cast.org/> and CAST’s Higher Education site for information regarding UDL in higher education is found at <http://udloncampus.cast.org/home> -
* Learning Designed – <https://www.learningdesigned.org> – this site is emerging as a repository for shared resources
* Mohawk College Course Assessment Evaluation <https://web.mohawkcollege.ca/centre-teaching-learning/apps/UDL/courseassessment/>
* Novak Education Consulting has some great resources under the planning and infographics <https://www.novakeducation.com/resources>
* University of Guelph <https://opened.uoguelph.ca/instructor-resources/UD---Best-Practices-for-Online-Learning>

## Useful Resources

* CAST. (2017). [Top 5 UDL Tips for Fostering Expert Learners](https://www.cast.org/binaries/content/assets/common/publications/downloads/cast-5-learning-environs-2016.pdf)
* CAST. (2018). [UDL & the Learning Brain](https://www.cast.org/binaries/content/assets/common/publications/articles/cast-udlandthebrain-20180321.pdf)
* CAST. (2018). [UDL Guidelines Version 2.2 with numbers](https://udlguidelines.cast.org/binaries/content/assets/udlguidelines/udlg-v2-2/udlg_graphicorganizer_v2-2_numbers-yes.pdf)
* La, H., Dyjur, P., & Bair, H. (2018). [Universal Design for Learning in Higher Education](https://taylorinstitute.ucalgary.ca/sites/default/files/UDL-guide_2018_05_04-final%20(1).pdf) Taylor Institute for Teaching and Learning. Calgary: University of Calgary.
* Rosagaron, R., & Novak, K. (2020). [Planning Professional Development Using a UDL Lens](https://f.hubspotusercontent00.net/hubfs/7288705/Resources/Planning%20Professional%20Development%20Using%20a%20UDL%20Lens%20.pdf)
* Takacs, S., Zhang, J (2020). [Universal Design for Learning: A Practical Guide](https://ctli.jibc.ca/wp-content/uploads/2020/04/UDL_A_Practical_Guide.pdf). Centre for Teaching, Learning, and Innovation. Justice Institute of British Columbia
* UDLL. (2016). [Universal Design for Learning - A Best Practice Guideline](https://udlleurope.files.wordpress.com/2016/10/bpg-web-version.pdf) UDLL Partnership: HOWEST (SIHO), AHEAD, and NTNU (Universell), Ghent, Belguim.

## Videos

* CAST Webinar Series [Sharing Stories: Anti-racism and Universal Design for Learning](https://youtu.be/xuDeI5m26-g) with Andratesha Fritzgerald – author of Antiracism and Universal Design for Learning: Building Expressways to Success (2020).
* CAST Webinar Series full play list found at <https://www.youtube.com/playlist?list=PLIF3m0HAU307sFbqDBA1yQskcrM3sc8Vc>
  + Stories form the Field: UDL in Art Classrooms (1:03:11) <https://youtu.be/HQmg-3SBnu0>
* Humber College - Universal Design for Learning in Higher Education (4:42) <https://youtu.be/VwA8cQ2xA9o>
* Mohawk College Centre for Teaching and Learning - Universal Design for Learning <https://www.mohawkcollege.ca/employees/centre-for-teaching-learning/universal-design-for-learning>
* Katie Novak talking about Expert Learners <https://youtu.be/mYWR3nW_Es0>
* Dr. Tesia Marshik is an Assistant Professor of Psychology at the University of Wisconsin-La Crosse. Her research interests in educational psychology include student motivation, self-regulation, and teacher-student relationships. <https://www.youtube.com/watch?v=855Now8h5Rs>
* UBC Dr. Boyd n a classic research-based TEDx Talk, Dr. Lara Boyd describes how neuroplasticity gives you the power to shape the brain you want.- <https://youtu.be/LNHBMFCzznE>
* [Why We Need Universal Design](https://youtu.be/bVdPNWMGyZY) by Michael Nesmith TEDxBoulder Michael is a deaf and native American Sign Language speaker working as a creative designer for Amazon.
* A series of Inclusive Learning Networks Small Learning Series
  + Mindy Johnson on UDL Overview (18:23) <https://youtu.be/500dhPNZfHg>
  + Kendra Grant on Multiple Means of Engagement (9:50) <https://youtu.be/nTwhcroMAaU>
  + Luis Perez on Multiple Means of Representation (8:23) <https://youtu.be/ofOJqdDbUd8>
  + Elizabeth Dalton on Multi Means of Action & Expression (8:35) <https://youtu.be/s-EsS6Cbkj4>

## Information Debunking Learning Styles

* <https://www.apa.org/news/press/releases/2019/05/learning-styles-myth>
* <https://www.theatlantic.com/science/archive/2018/04/the-myth-of-learning-styles/557687/>
* <https://www.theguardian.com/education/2017/mar/12/no-evidence-to-back-idea-of-learning-styles>
* <https://www.scientificamerican.com/article/the-problem-with-learning-styles/>

## Podcasts

* UDL in 15 minutes by Loui Lord Nelson is targeting K-12 but some topics are relevant found at <https://theudlapproach.com/podcasts/>
* UDL Research in 15 minutes by Loui Lord Nelson – again is targeting research in K-12 but some great foundational information and idea found at <https://theudlapproach.com/podcasts/udl-research-in-15-minutes/> .
* ThinkUDL hosted by Lillian Nave at <https://thinkudl.org/> - the transcripts as well as related links from the specific session are also made available.
* Teaching in Higher Ed Episode 058 Universal Design for Learning found at <https://teachinginhighered.com/podcast/universal-design/>
* Here is an episode of a series that is talking with author Dr. Thomas Tobin and is found at <https://barbihoneycutt.com/blogs/podcast/episode-19-how-universal-design-for-learning-can-help-you-break-up-your-lectures>

## Blog Posts

* Bass, G., & Lawrence-Riddell, M. (2020, January 6). [UDL: A Powerful Framework](https://www.facultyfocus.com/articles/course-design-ideas/universal-design-for-learning/). Faculty Focus: Higher Ed Teaching Strategies from Magna Publications.
* Cournoyer, R. Y. (2018, April 13). Growing as an instructor in a udl classroom. [Web log post]. Retrieved from <https://www.goodwin.edu/enews/faculty-article-growing-in-udl-classroom/>
* Degner, J. (2019, February 1). Just ask. [Web log post]. Retrieved from <https://medium.com/udl-center/just-ask-9a396d63222c>
* Gannon, K. (2018, February 27). The case for inclusive teaching. The Chronicle of Higher Education. Retrieved from <https://www.chronicle.com/article/the-case-for-inclusive-teaching/>
* Goel, T. (2015). My reflections on learning how to learn. Found at <https://tarunagoel.blogspot.com/2015/12/my-reflections-on-learning-how-to-learn.html>
* Good, K. S. (2017, October 27). Universal design for learning blog series: Part 4: The professor’s new groove. [Web log post]. Retrieved from <https://www.goodwin.edu/enews/universal-design-for-learning-mathematics/>
* Goodkowsky, K. (2017, October 19). Universal design for learning blog series: Part 3: Multiple means of representation enhance learning. [Web log post]. Retrieved from <https://www.goodwin.edu/enews/udl-multiple-means-of-representation/>
* Laist, R. (2017, October 13). Universal design for learning blog series: Part 1, writing from the inside out. [Web log post]. Retrieved from <https://www.goodwin.edu/enews/universal-design-for-learning-for-writing/>
* Naffi, N., Davidson, A., Clark, R. E., Snyder, D. M., Kaufman, R., Beatty, B., Wallace, G., Patino, A., Gbetoglo, E., Duponsel, N. Savoie, C., Ruby, I., Paquelin, D., & Fournel, I. (2020, September 8). 5 recommendations from teaching centres to teaching centres to help faculty shift online. [Web log comment]. Retrieved from <https://www.universityaffairs.ca/opinion/in-my-opinion/5-recommendations-from-teaching-centres-to-teaching-centres-to-help-faculty-shift-online/>
* Pichette, J., Brumwell, S., & Rizk, J. (2020, October 8). Accessible learning is more important than ever: Heqco’s advice to institutions [Web log post]. Retrieved from <https://forum.academica.ca/forum/considering-accessible-learning-during-the-covid-19-pandemic> .
* Soto, R. (2018, May 9). Universal design for learning series: Boring classes? Not here. [Web log post]. Retrieved from https://www.goodwin.edu/enews/universal-design-learning-series-boring-classes-not-here/
* Wisniewski, L. (2017, October 18). Universal design for learning blog series: Part 2: Uncovering purpose and increasing student involvement. [Web log post]. Retrieved from https://www.goodwin.edu/enews/universal-design-for-learning-principles/
* Wisniewski, L., & Kania, J. S. (2020, January 15). The journey of udl: A world of possibilities opens up to two educational “missionaries”. [Web log post]. Retrieved from https://www.goodwin.edu/enews/faculty-article-the-journey-of-udl/
* Wolter, M. (2018, April 17). Thinking differently to gauge student comprehension. [Web log post]. Retrieved from https://www.goodwin.edu/enews/faculty-article-udl-thinking-differently-to-gauge-student-comprehension/

## Books

Berquist, E. (2017). *Udl: Moving from exploration to integration*. Wakefield, MA: CAST Professional Publishing.

Black, J., & Moore, E. J. (2019). *Udl navigators in higher education: A field guide.* Wakefield, MA: CAST Professional Publishing.

Bracken, S., & Novak, K. (2019). *Transforming higher education through universal design for learning: an international perspective.* New York, NY: Routledge.

Chardin, M. & Novak, K. (2021). Equity by design: Delivering on the power and promise of udl. Thousand Oaks, CA: Corwin.

Couros, G., & Novak, K. (2019). Innovate inside the box: Empowering learners through udl and the innovator’s mindset. IMPress.

Derbiszewska, K. M., & Tucker-Smith, T. N. (2020). *Supercharge your professional learning: 40 concrete strategies that improve adult learning*. Wakefield, MA: CAST.

Fritzgerald, A. (2020). *Antiracism and universal design for learning: Building pathways to success.* Wakefield, MA; CAST Professional Publishing.

Gronseth, S. L., & Dalton, E. M. (2020). *Universal access through inclusive instructional design: International perspectives on udl.* New York, NY: Routledge.

Hammond, Z. (2015). *Culturally responsive teaching & the brain: Promoting authentic engagement and rigor among culturally and linguistically diverse students.* Thousand Oaks, CA: Corwin.

Kwantlen Polytechnic University Learning Centres. (2018). University 101: Study, Strategize and Succeed found at <https://pressbooks.bccampus.ca/studystrategizesucceed/>

Meyer, A., Rose, D. H., & Gordon, D. (2014). *Universal design for learning: Theory and practice.* Wakefield, MA: CAST Professional Publishing.

Novak, K., & Thibodeau, T. (2016). *Udl in the cloud!: How to design and delivery online education using universal design for learning*. Wakefield, MA: CAST Professional Publishing.

Posey, A. & Novak, K. (2020). *Unlearning: Changing your beliefs and your classroom with udl.* Wakefield, MA: CAST Professional Publishing.

Posey, A. (2019). *Engage the brain: How to design for learning that taps into the power of emotion*. Alexandria, VA: ASCD.

Ralabate, P. K., & Nelson, L. L. (2017). *Culturally responsive design for English learners: The udl approach.* Wakefield, MA: CAST Professional Publishing.

Tobin, T. J., & Behling, K. T. (2018). *Reach everyone, teach everyone*. West Virginia Press.

Torres, C., & Rao, K. (2019). *Udl for language learners*. Wakefield, MA: CAST Professional Publishing.

## Articles

Auerbach, A., & Andrews, T. C. (2018). Pedagogical knowledge for active-learning instruction in large undergraduate biology courses: A large-scale qualitative investigation of instructor thinking. *International Journal of STEM education, 5*(1), 19. https://doi.org/10.1186/s40594-018-0112-9

Balta, J. Y., Supple, B., & O'Keeffe, G. W. (2021). The universal design for learning framework in anatomical sciences education. *Anatomical sciences education, 14*(1), 71–78. https://doi.org/10.1002/ase.1992

Bedrossian, L. (2018). Understand and promote use of universal design for learning in higher education. *Disability Compliance for Higher Education, 23*(10), 7.

Buckland Parker, H. (2012). Learning starts with design: Using universal design for learning (UDL) in higher education course redesign. In F. S. Miller (Ed.) *Transforming Learning Environments: Strategies to Shape the Next Generation (Advances in Educational Administration, Vol. 16)*. Emerald Group Publishing Limited, Bingley, pp. 109-136. https://doi.org/10.1108/S1479-3660(2012)0000016009

Dalton, Elizabeth M., Lyner-Cleophas, Marcia, Ferguson, Britt T., & McKenzie, Judith. (2019). Inclusion, universal design and universal design for learning in higher education: South Africa and the United States. *African Journal of Disability (Online), 8*, 1-7. https://dx.doi.org/10.4102/ajod.v8i0.519

Dean, T., Lee-Post, A., & Hapke, H. (2017). Universal design for learning in teaching large lecture classes. Journal of Marketing Education, 39(1) (pp. 5-16).

Fovet, F., Jarrett, T., Mole, H., & Syncox, D. (2014). Like fire to water: Building bridging collaborations between disability service providers and course instructors to create user friendly and resource efficient udl implementation material. *Collected Essays on Learning and Teaching, 7*(1), 68-75.

Fovet, F. (2020). Universal design for learning as a tool for inclusion in the higher education classroom: Tips for the next decade of implementation. *Education Journal. Special Issue: Effective Teaching Practices for Addressing Diverse Students’ Needs for Academic Success in Universities. 9*(6), 2020, 163-172. doi: 10.11648/j.edu.20200906.13

Glass, D., Meyer, A., & Rose, D. H. (2013). Universal design for learning and the arts. *Harvard Educational Review, 83*(1), Spring 2013, 98-119.

Gradel, K., & Edson, A.J. (2009). Putting universal design for learning on the higher ed agenda. *J. Educational Technology Systems, 38*(2), 111-121. doi:10.2190/ET.38.2.d

Gurin, P., & Maxwell, K. (2017). Overview: Faculty development for inclusive educational environments. *AAC&U Liberal Education, 103*(3/4).

Hockings, C., Brett, P., & Terentjevs, M. (2012). Making a difference – inclusive learning and teaching in higher education through open education resources. *Distance Education, 33*(2), 237-252.

Hromalik, C.D., Myhill, W.N. & Carr, N.R. (2020). “*All faculty should take this”: a universal design for learning training for community college faculty*. TechTrends, 64, 91–104.

Immordino-Yang, M. H. (2016). Emotion, sociality, and the brain’s default mode network: Insights for educational practice and policy. Behavioral and Brain Sciences, 3(2), 211-219.

Immordino-Yang, M. H., & Damasio, A. (2007). We feel, therefore we learn: The relevance of affective and social neuroscience to education. *Mind, Brain, and Education Transformative Dialogues: Teaching & Learning Journal, 1*(1), 3-10.

Kang, Z., Dragoo, M. R., Yeagle, L., Shehab, R. L., & Yuan, H. (2017). Adaptive learning pedagogy of universal design for learning (udl) for multimodal training. *Journal of Aviation/Aerospace Education & Research, 27*(1), 23-48.

Miller, D. K., & Lang, P. L. (2016). Using the universal design for learning approach in science laboratories to minimize student stress. *Journal of Chemical Education, 93*, 1823-1828.

National Scientific Council on the Developing Child. (2018). Understanding motivation: Building the brain architecture that supports learning, health, and community participation: *Working paper no. 14*. Retrieved from www.developingchild.harvard.edu.

Newman Thomas, C., Van Garderen, D., Scheuermann, A., & Ju Lee, E. (2015). Applying a universal design for learning framework to mediate the language demands of mathematics. *Reading & Writing Quarterly, 31*(3), 207-234, doi:10.1080/10573569.2015.1030988.

O'Shea, S., Lysaght, P., Roberts, J., & Harwood, V. (2016). Shifting the blame in higher education – social inclusion and deficit discourses. *Higher Education Research & Development, 35*(2), 322-336, DOI: 10.1080/07294360.2015.1087388

Osher, D., Cantor, P., Berg, J., Steyer, L., & Rose, T. (2020). Drivers of human development: How relationships and context shape learning and development*. Applied Developmental Science, 24*(1), 3-36, DOI: 10.1080/10888691.2017.1398650.

Quaglia, B.W. (2015). Planning for student variability: Universal design for learning in the music theory classroom and curriculum. *Journal for the Society of Music Theory, 21*(1).

Rabin, L. A., Fogel, J., Nutter-Upham, K. E. (2011). Academic procrastination in college students: The role of self-reported executive function. *Journal of Clinical and Experimental Neuropsychology, 33*(3), 344-357.

Rao, K., Edelen-Smith, P., & Wailehua, C. (2015). Universal design for online courses: Applying principles to pedagogy. *Open Learning: The Journal of Open, Distance and e-Learning, 30*(1), 35-52, doi: 10.1080/02680513.2014.991300

Reinschmiedt, H. J., Buono, F. D., Sprong, M. E., Upton, T. D., & Dallas, B. (2013). Post-secondary students with disabilities receiving accommodations: A survey of satisfaction & subjective well-being. *Journal of Rehabilitation, 79*(3), 3-10.

Rose, D. H., et al. (2018). Accurate and informative for all: Universal design for learning (udl) and the future of assessment. In: Elliott S., Kettler R., Beddow P., Kurz A. (eds) *Handbook of accessible instruction and testing practices*. Springer, Cham.

Rose, D. H., Harbour, W. S., Johnston, C. S., Daley, S. G., & Abarbanell, L. (2006). Universal design for learning in postsecondary education: Reflections on principles and their application. *Journal of Postsecondary Education and Disability, 19*(2), 135-151.

Ryan, A. M., Arnott, A., Chisholm, R., deGelleke, L., Gibson, L., Grantham, D., Kienast, S., Mullally, M., Ross, T., Schmidt, A., Stevens, L., & Welsh, E. (2017). Conversations in a coffee shop: Voices from within a community of teaching practice of university science faculty. Transformative Dialogues: *Teaching & Learning Journal, 9*(3), 1–18.

Scott, S., & McGuire, J. (2017). Using diffusion of innovation theory to promote universally designed college instruction. *International Journal of Teaching and Learning in Higher Education, 29*(1), 119-128.

Tobin, T. J. (2014). Increase online student retention with universal design for learning. *The Quarterly Review of Distance Education, 15*(3), 13-24.

## Resources for Accessibility

* Alternative text (introduction): <https://webaim.org/techniques/alttext/>
* Image description guidelines: <http://diagramcenter.org/table-of-contents-2.html>
* Describing complex images for all learners (PDF): <https://www.lsu.edu/accessibility/training/complex-images.pdf>
* Image description guidelines for assessments (PDF): <https://www.nwea.org/content/uploads/2020/12/Image-Description-Guidelines-for-Assessments_IDGA_NWEA.pdf>
* WebAIM has some really great content about accessibility for all kinds of media: <https://webaim.org/articles/>
* WAVE - WebAim's Web Accessibility Evaluation tool: <https://wave.webaim.org/> . It has browser plugins which makes it easy to review a web page for accessibility.
* Color contrast checker: <https://webaim.org/resources/contrastchecker/>
* Here is an example of a user-interface tool that can be installed to customize the display of a website: It allows readers to increase/decrease the size of text, change the colours and font, adjust the line spacing, etc.: <https://floeproject.org/ui-options.html> ( click "user preferences" in the top left corner). There is similar functionality in most web browsers. In Google Chrome you can install a browser plugin and in Firefox there is a built in "reader view" that can toggle similar customization tools, including text-to-speech.