Why Adopt UDL? 4 Issues Addressed

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ISSUE: Laws & Lawsuits

- · §504 Rehabilitation Act of 1975 Obliges accommodations for individuals with disabilities
- · Title II Americans with Disabilities Act of 1990 Enforces reasonable modifications to services, programs, and activities and effective communication with all
- §508 Rehabilitation Act Amendments of 1998 Requires digital access for all, regardless of disability[3]
- · Numerous Settlements and Resolutions Clarify that institutions should design their activities and format their materials in an inclusive way

The UDL framework helps us design our online courses for accessible learning removing potential barriers and replacing them with more efficient and effective options as technology progresses, which benefits all learners universally.

ISSUE: Tiers 1 & 2 Instruction

· Tier 1 Instruction Comprised of research based curriculum design and implementation of high-quality instructional practices for all learners Tier 2 Intervention Includes accommodations to Tier 1 instruction designed for learners with exceptional educational needs

The UDL framework strengthens Tier 1 instruction by creating a foundation that is grounded in current education, psychology, and neuroscience research and by building frequent assessment measures into the curriculum design which may lessen the overall need for extraordinary measures in accommodating learners with exceptional needs

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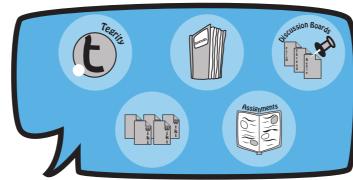


Principle I **Multiple Means of** Representation



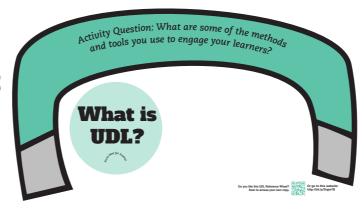


Principle II **Multiple Means of Expression**





Principle III **Multiple Means of Engagement**



ISSUE: Learning Continuum

- · Multisensory Learning Modes Although very little research exists to prove learners best retain information presented in their learning styles, a wealth of empirical evidence suggests presenting information in multisensory modes can support
- · Factors Affecting Learning Encoding, spacing, interleaving, testing, transferring, forgetting, and thinking metacognitively are hallmark principles of effective long-term learning[12]; course structure, instructor interaction, and discussions are vital influencers of e-learning[13]

The UDL framework supports learning through multimodal input by encouraging various means of representing information, through interaction and multisensory output by asking for learners to express what they know in diverse ways, and through long-term learning principles by engaging learners in their learning process[14].

ISSUE: 21st Century Skills

- · 21st Century Skills Classified by actions or quality indicators in content knowledge and 21st century themes; learning and innovation skills; information, media, and technology skills: life and career skills
- 21st Century Tools Categorized by their role in collaboration, communication, creativity, critical thinking, feedback, innovation, presentation, problem solving, productivity, reflection, and social networking

The UDL framework creates learning environments that are conducive to the practice of 21st century skills by representing content in a variety of ways using 21st century tools, embracing a range of skills through expressive choice, and strengthening learners' ability to plan, execute, and monitor skill sets[17].

REFERENCES
I] Cornell University Law School Legal Information Institute (n.d.). Nondiscrimination under federal grants and programs. U.S. Code Title 29 Chapter 16 Subchapter V. Retrieved from https://www.law.comeil.edu/uscode/text/29/794 [2] United States Department of Justice Civil Rights Division (2016). Revised final Title II regulation with integrated text. Nondiscrimination on the Basis of Size British (and the Conference of States and Programs (and Programs (an Psychology, Champaign, IL: DEF publishers. DOI:nobaproject.com / 13,5 wan, K. (2001). Virtual interaction: Design factors affecting student satisfaction and perceived learning in a synchronous online courses. Distance Education, 21,5 months, in (2001). Virtual interaction: Design factors affecting student satisfaction and perceived learning in perceived learning in perceived learning in perceived learning in perceived from https://goalbookapp.com/toolokit/strategies [15] Partnership for 21st Century Learning (n.d.). Framework for 21st century learning. Our Work. Petrieved from http://www.p21.org/our-work/p21-framework [16] University of Houston College of Education Laboratory for Innovative Technology in Education (n.d.). New technologies & 21st century skills. Petrieved from http://www.p21.org/our-work/p21-framework for 21st Century Learning (n.d.). New technologies & 21st century skills. Petrieved from http://www.p21.org/our-work/p21-framework for 21st Century ski