



Workshop Takeaways

One strategy to capture students' attention

One strategy to retain students' attention

Agenda

First Principle: Introducing **Provide** yourself for multiple means Presenting crossof Engagement Defining **Breakout** the current disciplinary A&D • Tip 1: Capture UDL Rooms post-covid working studentsⁱ (5') landscape attention(15') (5') (30') group • Reflection(10') (5') creation • Tip 2 : Maintain students' attention(15') (10′)



Please introduce yourself

Using the chatroom,

Please share your name and department

Please share with us what you hope to get from this session today.

Post-Covid landscape : reduced students' engagement



More Americans questioning the value of a traditional college path (Return on Investment, Skill based more preferred).



Students requesting for more flexibility(absenteeism, late submissions, Hybrid or online vs in-person classes).



Students requesting more wellness support from faculty.



UDL promise is to bridge this gap.



Before we start, defining:



Brain Network: connections between several neurons dedicated to execute a specific task.

Learning: formation of longterm memory(a network of neurons storing information) that can be retrieved when necessary.

UDL: What is?

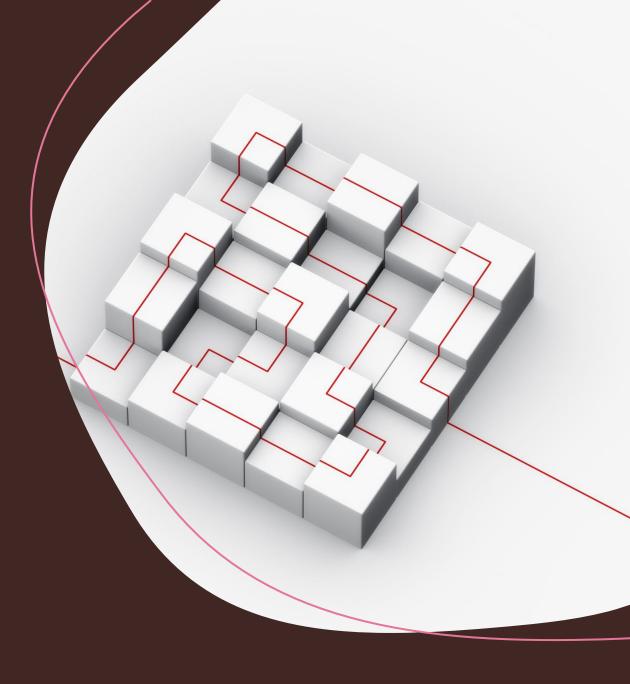
UDL is a framework to improve and optimize teaching and learning for all people based on scientific insights into how humans learn(Center for Applied Specialized Technology-CAST)

Derived from Universal Design in Architecture to ensure accessibility to everyone.

Brain variability: Experiences shape our brain networks and how we learn, thus the One size fits all approach leave students behind.

Universal Design for Learning uses neuroscience to bridge the gap.

UDL guidelines propose 3 principles.



UDL: 3 principles



Affective networks:

THE WHY OF LEARNING



How learners get engaged and stay motivated. How they are challenged, excited, or interested. These are affective dimensions.



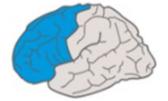
Stimulate interest and motivation for learning

FIG. 4.5. The brain networks @2013 CAST, INC.

Recognition networks: THE WHAT OF LEARNING

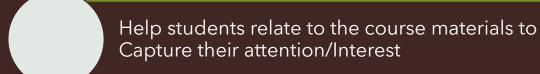


Strategic networks: THE HOW OF LEARNING



UDL-Multiple ways of Engagement : How do you motivate your students to learn?

Two goals for this network:



Use reachable challenges and promote students' self-control to Maintain Students Engagement and persistence.

AFFECTIVE NETWORKS: THE WHY OF LEARNING



Catching Students Attention/Interest (1/2)

- ❖ Attention is a limited resource (Oberauer, 2019; Medina, 2008)
- Students need to relate to the course

Explain course relevance



Give to students the possibility to create their own learning goals and peerchecking regularly their progress



Give to students the possibility to choose how they engage





Catching Students Attention/Interest (2/2)

Minimize distractions and risks

Minimize distractions

e.g.:

* Peer to Peer Reminders

*Crowdsource note taking with a shared google doc.



Minimize risk of failure

e.g.:

*Low stake Quizzes

*Break down big project in Small components.





Practice what we preach(10 minutes)

Please take 10 minutes to do these activities on your own. Write down because you will be sharing about this in your Breakout Rooms.

Please write down two skills that your students will gain from your course and how they contribute to the career of your students. Can you find two job announcements on LinkedIn, Glassdoor or Indeed that is looking for those skills? Save those links please, you can use them for the next class.

Please write down 2 to 3 ways of engagement you can offer in your course for the next class (For example: Group Discussion, Q&A time at the end of class, Online discussion board)

Please respond to this question on your personal note: Are you able for the next class to offer 15-30 minutes to your students for them to write down their course own learning objectives and pick a peer checker? If not, why?

Retaining Attention

Persistence and growth

Teach students content
with different and
reachable levels of
Challenge for persistence
and growth.



Self Assessment and Reflection

Help students reflect on the progress towards their own learning goals and your course learning outcomes.





Breakout Rooms(20 minutes)





Please discuss with your peers your responses to the prompt on how you are planning to catch students attention

Please discuss with your peers challenges that you would like to add to your next class and receive their feedback.

Suggested Readings

- Oberauer K. (2019). Working Memory and Attention A Conceptual Analysis and Review. Journal of cognition, 2(1), 36. https://doi.org/10.5334/joc.58
- Medina, J. (2009). Brain rules. Pear Press.
- McGuire S. Y. & McGuire S. (2015). Teach students how to learn: strategies you can incorporate into any course to improve student metacognition study skills and motivation (First). Stylus Publishing LLC.
- Persellin, D.C., & Daniels, M.B. (2019). A Concise Guide to Teaching With Desirable Difficulties (1st ed.). Routledge. https://doi.org/10.4324/9781003442721
- CAST (2018). Universal design for learning guidelines version 2.2 [graphic organizer]. Wakefield, MA: Author.
- Flaherty, C. (2023, July 17). Supporting Student Wellness: What's Enough and What's Too Much?. Inside Higher Ed. https://www.insidehighered.com/news/student-success/health-wellness/2023/07/17/faculty-actions-help-promote-college-student-well?utm_source=1%E2%80%A6

Questions?

Thank you

