### **IAMAZEBRA**

# **Proposal for Continuing Education Course August 2025 -**

## TITLE:

## Improv in Physical Therapist School-Based Practice:

Using Improvisational Theater Concepts and Skills to Foster Better Communication, Relationship-Building, Collaborative Decision-Making, and Resilience

### COURSE DESCRIPTION:

Improv was originally designed as a teaching/learning method to support the creation of relationships and social skills amongst an extremely disparate group of people who found themselves in a new space – early 20<sup>th</sup> century immigrants to Chicago, who shared no language, history, culture or experience. These methods evolved to learning activities used in teaching theater professionals and eventually became both a performance art in its own right and is routinely used to create other kinds of performance work.

The skills of the improv actor - their ability to listen so acutely, to be in the moment, to understand their own and the characters of others and to unequivocally support each other within the context in which they find themselves – has been recognized as such an important skill set that it is used widely across business and industry. It's original intent as a teaching/learning method is emerging as a tool used across educational arenas, including in medical education. Performance art itself has demonstrated relevance in supporting learners in healthcare to gain empathy and perspective in their work.

In this course, the participants will learn to apply basic skills of improv within a particular practice setting – school based physical therapy - to aid in communication, navigation across the various relationships in practice, recognize how these skills apply to collaborative decision-making and to support practitioner resilience as clinicians face the many challenges of physical therapy practice today. Performance viewing will complement this interactive, reflective and productive workshop.

## **COURSE OBJECTIVES:**

At the completion of this course, participants will be able to:

- Articulate basic tenets of improv
- Describe the application of tenets of improv within their practice setting

- Provide examples and/or Demonstrate 1-3 improv principles or learning activities that might be used within their own clinical setting in relation to or in support of:
  - o Communication
  - Relationship building
  - o Collaboration decision-making
  - Personal resilience within professional practice
- Compare and contrast the application of principles of improv across theater and physical therapy practice, appreciating the supports and constraints of implementation
- Recognize the relevance and potential utility of the humanities particularly performance art - within physical therapy practice

### PROGRAM OUTLINE:

The workshop will iteratively use improv learning activities, reflection, information and literature presentations and brief performances linked to the themes of communication, relationship-building, clinical decision-making and resilience within a school based physical therapy context. The workshop will include participatory discussions, creation and demonstrations of practical applications of improv techniques within a clinical and personally professional context.

### PROVISIONAL TIMELINE with TOPICS

### **INTRODUCTIONS**

8:00-8:15

Presenter introductions and introductory improv learning activity

### COMMUNICATION

8:15-8:25

Performance Piece: "I'm Sorry, What Are You Saying?"

8:25-9:30

Improv learning activities to facilitate communication w/ debrief. Linking improv lesson to literature and physical therapy practice

#### RELATIONSHIP BUILDING

9:30-9:35

Performance Piece: "Who? What? Why?"

9:35-11:00

Improv learning activities to facilitate relationship building with debrief. Linking improv lesson to literature and physical therapy practice

### LUNCH

11:00-12:00- discussion challenge

### **COLLABORATIVE DECISION MAKING**

12:00-12:05

Performance Piece: "What's on Your Mind?"

12:05-12:45

Improv learning activities to facilitate collaborative decision-making with debrief. Linking improv lesson to literature and physical therapy practice

#### RESILIENCE

12:45-12:50

Performance Piece: "It's Fine, I'm Fine, Everything's Fine"

12:50-1:45

Improv learning activities to facilitate resilience with debrief. Linking improv lesson to literature and physical therapy practice

## INTEGRATION, CREATION and PRODUCTION

1:45-3:30

Application of participant learning

## LEARNING ASSESSMENT

- Participants, in groups of 2-4 will create a plan for application of improv concepts and tools within their practice context which will be written and/or filmed as a demonstration
- Participants will complete a 10-question quiz reflecting the course objectives with 70% correct.

### REFERENCES and LITERATURE SUPPORT:

(historically seminal works, and literature from ~the last 5 years)

- Amjadi, M.F., Kociubuk, J., Hollnagel, F. et al. Zoom improv is accessible and enhances medical student empathy. BMC Med Educ 24, 1049 (2024). https://doi.org/10.1186/s12909-024-06017-6
- Bender M, Veenstra J, Yoon S. Improving interprofessional communication: conceptualizing, operationalizing and testing a healthcare improvisation communication workshop. *Nurse Educ Today.* (2022) Dec;119:105530. doi: 10.1016/j.nedt.2022.105530. Epub 2022 Sep 3. PMID: 36155207.
- Beran, T. N., Altabbaa, G., & Paolucci, E. O. (2022). Communication in the conversation between preceptors and physicians-in-training during simulation: what is not said. *Journal of Communication in Healthcare*, 16(2), 180–185. https://doi.org/10.1080/17538068.2022.2135713
- Boesen KP, Herrier RN, Apgar DA, Jackowski RM. Improvisational exercises to improve pharmacy students' professional communication skills. *Am J Pharm Educ*. (2009) Apr 7;73(2):35. doi: 10.5688/aj730235. PMID: 19513173; PMCID: PMC2690892.

- Case GA, Brauner DJ. Perspective: The doctor as performer: a proposal for change based on a performance studies paradigm. *Acad Med.* (2010) Jan;85(1):159-63. doi: 10.1097/ACM.0b013e3181c427eb. PMID: 20042843. 36538658.
- Chan CA, Cabaniss P, Morford KL, Martino S, Martin A, Windish DM. Medical improvisation-based motivational interviewing for internal medicine residents: Mixed-methods evaluation of a novel course. *Med Teach*. (2023) Dec;45(12):1411-1418. doi: 10.1080/0142159X.2023.2225725. Epub 2023 Jun 28. PMID: 37378496.
- Chan CA, Windish DM, Spak JM, Makansi N. State-of-the-art review of medical improvisation curricula to teach health professional learners communication. *Adv Health Sci Educ Theory Pract.* (2024) Jul;29(3):1025-1046. doi: 10.1007/s10459-023-10296-x. Epub 2023 Nov 3. PMID: 37921903.
- Davis K, Kessler D, Lemke D, Doughty C. Applied improvisation: putting behavioral skills center stage in simulation-based team training. *Simul Healthc*. (2024) Feb 26. doi: 10.1097/SIH.000000000000785. Epub ahead of print. PMID: 38421367.
- de Carvalho Filho MA, Ledubino A, Frutuoso L, da Silva Wanderlei J, Jaarsma D, Helmich E, Strazzacappa M. Medical Education Empowered by Theater (MEET). Acad Med. (2020) Aug;95(8):1191-1200. doi: 10.1097/ACM.000000000003271. PMID: 32134785.
- De Wever J, Hainselin M, Gignon M. Applied improvisation and transdisciplinary simulation: a necessity for any health curriculum? *Front Med* (Lausanne). (2023) Dec 1;10:1237126. doi: 10.3389/fmed.2023.1237126. PMID: 38105900; PMCID: PMC10722906.
- Eisenberg A, Rosenthal S, Schlussel YR. Medicine as a performing art: what we can learn about empathic communication from theater arts. *Acad Med.* (2015) Mar;90(3):272-6. doi: 10.1097/ACM.000000000000626. PMID: 25551856.
- Fessell D, McKean E, Wagenschutz H, Cole M, Santen SA, Cermak R, Zurales K, Kukora S, Lantz-Gefroh V, Kaplan-Liss E, Alda A. Medical improvisation training for all medical students: 3-year experience. *Med Sci Educ*. (2019) Dec 9;30(1):87-90. doi: 10.1007/s40670-019-00885-0. PMID: 34457643; PMCID: PMC8368574.
- Fu B. Common ground: frameworks for teaching improvisational ability in medical education. *Teach Learn Med.* (2019) Jun-Jul;31(3):342-355. doi: 10.1080/10401334.2018.1537880. Epub 2018 Dec 31. PMID: 30596300.
- Grossman CE, Lemay M, Kang L, Byland E, Anderson AD, Nestler JE, Santen SA. Improv to improve medical student communication. *Clin Teach*. (2021) Jun;18(3):301-306. doi: 10.1111/tct.13336. Epub 2021 Mar 8. PMID: 33684963.
- Hafferty FW, Franks R. The hidden curriculum, ethics teaching, and the structure of medical education. *Acad Med.* (1994) Nov;69(11):861-71. doi: 10.1097/00001888-199411000-00001. PMID: 7945681.
- Jarrett ES, Allen KA, Marmet J, Klein M, Moerdler S, Pitt MB. "What's my line?": pseudo-improvised teaching when the clinical teaching script is blank. *Acad Med.* (2023) Dec 1;98(12):1360-1365. doi: 10.1097/ACM.000000000005330. Epub 2023 Jul 19. PMID: 37478138.

- Kaplan-Liss E, Lantz-Gefroh V, Bass E, Killebrew D, Ponzio NM, Savi C, O'Connell C. Teaching medical students to communicate with empathy and clarity using improvisation. *Acad Med.* (2018) Mar;93(3):440-443. doi: 10.1097/ACM.0000000000002031. PMID: 29059072.
- Kramer, E.N. Getting comfortable being uncomfortable: improvisation as feedback. Acad Psychiatry 48, 560 (2024). <a href="https://doi.org/10.1007/s40596-024-02017-2">https://doi.org/10.1007/s40596-024-02017-2</a>
- Kozlowski, D., Hutchinson, M., Hurley, J. et al. The role of emotion in clinical decision making: an integrative literature review. BMC Med Educ 17, 255 (2017). https://doi.org/10.1186/s12909-017-1089-7
- Landry-Wegener BA, Kaniecki T, Gips J, Lebo R, Levine RB. Drama training as a tool to teach medical trainees communication skills: a scoping review. *Acad Med.* (2023) Jul 1;98(7):851-860. doi: 10.1097/ACM.000000000005121. Epub 2023 Jun 23. PMID: 36538658.
- Leonard K, Yorton T. Yes, And: Lessons from The Second City. Harper Collins NY NY (2015)
- Mannucci PV, Orazi DC, deValck K. Improvisation takes practice. Harvard Business Review (2021) March doi: <a href="https://hbr.org/2021/03/improvisation-takes-practice">https://hbr.org/2021/03/improvisation-takes-practice</a>
- Mehta A, Fessell D. Improvisation in the time of a pandemic: field notes on resilience. J Grad Med Educ. (2022) Feb;14(1):13-17. doi: 10.4300/JGME-D-21-00663.1. PMID: 35222813; PMCID: PMC8848893
- Mehta A, Hendel-Paterson B, Shah N, Hemphill J, Adams N, Fredrickson M. Intelligent play: how improv can improve clinician's emotional intelligence. *Clin Teach*. (2024) Aug;21(4):e13730. doi: 10.1111/tct.13730. Epub 2024 Jan 21. PMID: 38246854.
- Mehta A, Fu B, Chou, E. et al. Improv: transforming physicians and medicine. Med.Sci.Educ.31, 263–266 (2021). <a href="https://doi.org/10.1007/s40670-020-01174-x">https://doi.org/10.1007/s40670-020-01174-x</a>
- Moorefield N. Applied improvisation provides valuable life lessons. Kenan-Flager. UNC Newslettter. (2022) Feb. doi: <a href="https://www.kenan-flagler.unc.edu/news/applied-improvisation-provides-valuable-life-lessons/">https://www.kenan-flagler.unc.edu/news/applied-improvisation-provides-valuable-life-lessons/</a>
- Neel, N., Maury, JM., Heskett, K.M., Iglewicz, A. (2021). The impact of a medical improv curriculum on wellbeing and professional development among pre-clinical medical students. *Medical Education Online*, 26, 1961565
- https://doi.org/10.1080/10872981.2021.1961565
- Preis H, Bojsza E, Lindenfeld L, Gan TJ, Pati S. Process evaluation of a medical improvisation program for healthcare communication training. *J Commun Healthc*. (2022) Dec;15(4):260-266. doi: 10.1080/17538068.2021.2012750. Epub 2021 Dec 13. PMID: 36911906.
- Selim, C., Tsotsoros, J., Brown, C., Jeffries, L., Ciro, C. Impact of medical improvisation on therapeutic use of self: a randomized controlled waitlist. *Am J Occup Therapy.* (2024) 79 (1) 7901205120. https://doi.org/10.5014/ajot.2025.050785
- Spolin V. *Improvisation for the Theater, 3<sup>rd</sup> Ed.* Northwestern University Press.1999.

- Terregino CA, Copeland HL, Sarfaty SC, Lantz-Gefroh V, Hoffmann-Longtin K. Development of an empathy and clarity rating scale to measure the effect of medical improv on end-of-first-year OCSE performance: a pilot study. *Med Educ Online*. (2019) Dec;24(1):1666537. doi: 10.1080/10872981.2019.1666537. PMID: 31532330; PMCID: PMC6758630.
- Watson K, Fu B. Medical improv: a novel approach to teaching communication and professionalism skills. *Ann Intern Med.* (2016) Oct 18;165(8):591-592. doi: 10.7326/M15-2239. Epub 2016 Jul 26. PMID: 27455469.
- Watson K. Perspective: Serious play: teaching medical skills with improvisational theater techniques. *Acad Med.* (2011) Oct;86(10):1260-5. doi: 10.1097/ACM.0b013e31822cf858.
- Westcott, S., Simms, K., van Kampen, K. et al. Off-Script, online: virtual medical improv pilot program for enhancing well-being and clinical skills among psychiatry residents. Acad Psychiatry 47, 374–379 (2023). https://doi.org/10.1007/s40596-023-01778-6
- Yorton T. 3 Improv exercises that can change the way your team works. Harvard Business Review. (2015) Mar. <a href="https://hbr.org/2015/03/3-improv-exercises-that-can-change-the-way-your-team-works">https://hbr.org/2015/03/3-improv-exercises-that-can-change-the-way-your-team-works</a>
- Zelenski AB, Saldivar N, Park LS, Schoenleber V, Osman F, Kraemer S. Interprofessional improv: using theater techniques to teach health professions students empathy in teams. *Acad Med.* (2020) Aug;95(8):1210-1214. doi: 10.1097/ACM.0000000000003420. PMID: 32324634.

### **BIOSKETCH:**

(see attached CV)

## **Ingrid H Masterton**

has practiced as a physical therapist (PT) in a variety of settings, predominantly in pediatrics. She has a bachelor's degree in physical therapy from Northwestern University and an academic master's degree in PT and completed the coursework in the PhD program in Disability Studies at the University of Illinois at Chicago. Her fundamental research interest was epistemology within the context of the relationships amongst clinicians, academics and political actors across medicine and healthcare. As curriculum director, she oversaw the creation of the Master in Prosthetics-Orthotics program at Northwestern University where she also created and taught courses for the MPO program and the medical school's health and society curricular track; she has also created and taught related coursework for physical therapy programs at other universities.

Health challenges limited her PT practice and ended her graduate career. Reinventing herself, she began collaborating with artists from The Second City Training Center. Ingrid integrated her own lived experiences of illness and disability with her experiences as a PT, to create a one-person show entitled, "I AM A ZEBRA: *A Curiously Entertaining Story of Illness*", which she has performed in various venues. With what she now calls her I AM A ZEBRA project, Ingrid is developing a variety of mechanisms to use

performance art and improv for learning and collaborative decision-making across all the stakeholders in the worlds of medicine and healthcare. Learn more about Ingrid at <a href="https://www.iamazebra.com">www.iamazebra.com</a>

## **DURATION:**

• 6-6.5 (not including one hour lunch break)

## PARTICIPANTS:

- Description physical therapists employed within SDUSD (and related staff)
- Number 20-25

### LOGISTICS REQUIREMENTS:

- Space
  - Room large enough to have chairs for 25 participants, but moveable furniture to allow all participants to be standing and safely moving about simultaneously for activities
- Audio-visual
  - projection device from laptop or cloud
  - o microphone as advised per venue

# **COST/COMPENSATION:**

- Instructor compensation:
  - To be determined
- Additional costs:
  - Continuing Education Credits Approval from state accrediting body
    - Provided via sponsoring organization
  - o Travel:
    - To be determined
  - Lodging:
    - Provided by course organizer

## **COURSE EVALUATION**

Per course CEU agency sponsor