

# DESIGNING MINI-COURSES FOR DIGITAL BADGING EFFORTS

2021 Air Force Learning Professionals Consortium (LPC)



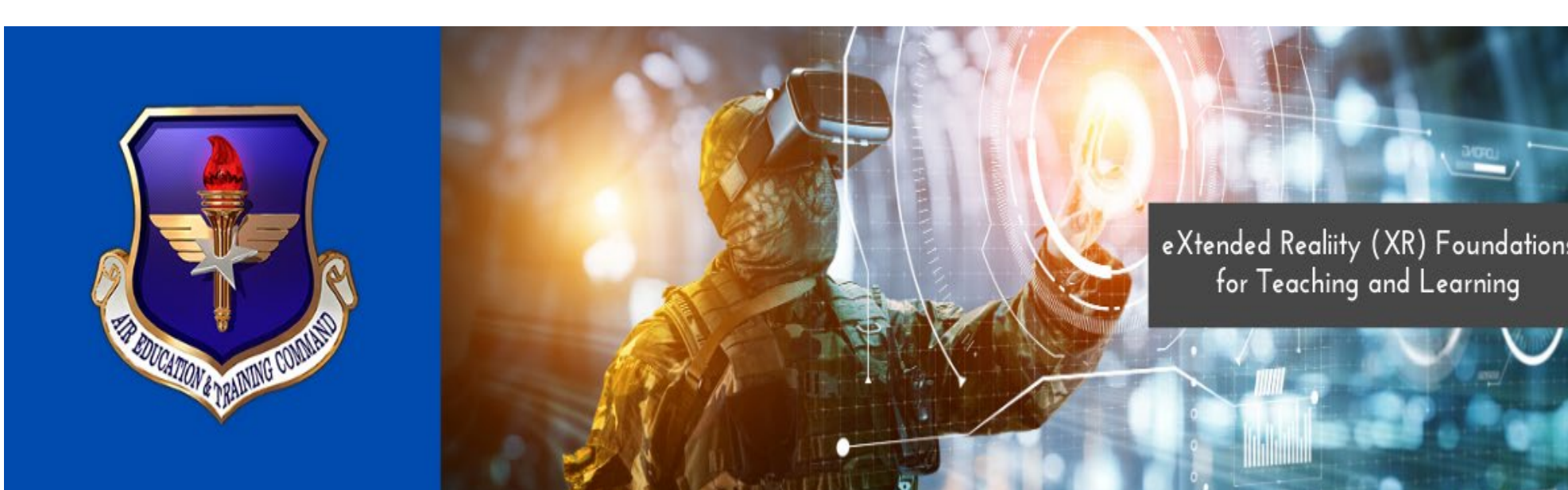
## eXtended Reality (XR) Foundations for Teaching and Learning

### INTRODUCTION

As part of the AETC Credly CRADA, an online, mini-course was designed as a self-directed Canvas course (eXtended Reality (XR) Foundations for Teaching and Learning). The main goals of the design were to cover the basics concepts of virtual reality (VR), augmented reality (AR), and mixed reality (MR) and their potential application in the classroom.

### POSTER OVERVIEW

- Showcase outcomes of eXtended Reality (XR) Foundations for Teaching and Learning mini-course.
- Highlight benefits of upskilling or reskilling through mini-course programs.
- Discuss avenues for creating micro-focused learning experiences.



### FIVE MODULES

- Unit 1: eXtended Reality (XR)
- Unit 2: Virtual Reality (VR)
- Unit 3: Augmented Reality (AR)
- Unit 4: Mixed Reality (MR)
- Unit 5: XR in the Classroom

### COURSE LENGTH

- 1-3 Hours

### PREREQUISITES

- This course is designed for the beginner, but anyone was welcome to enroll.

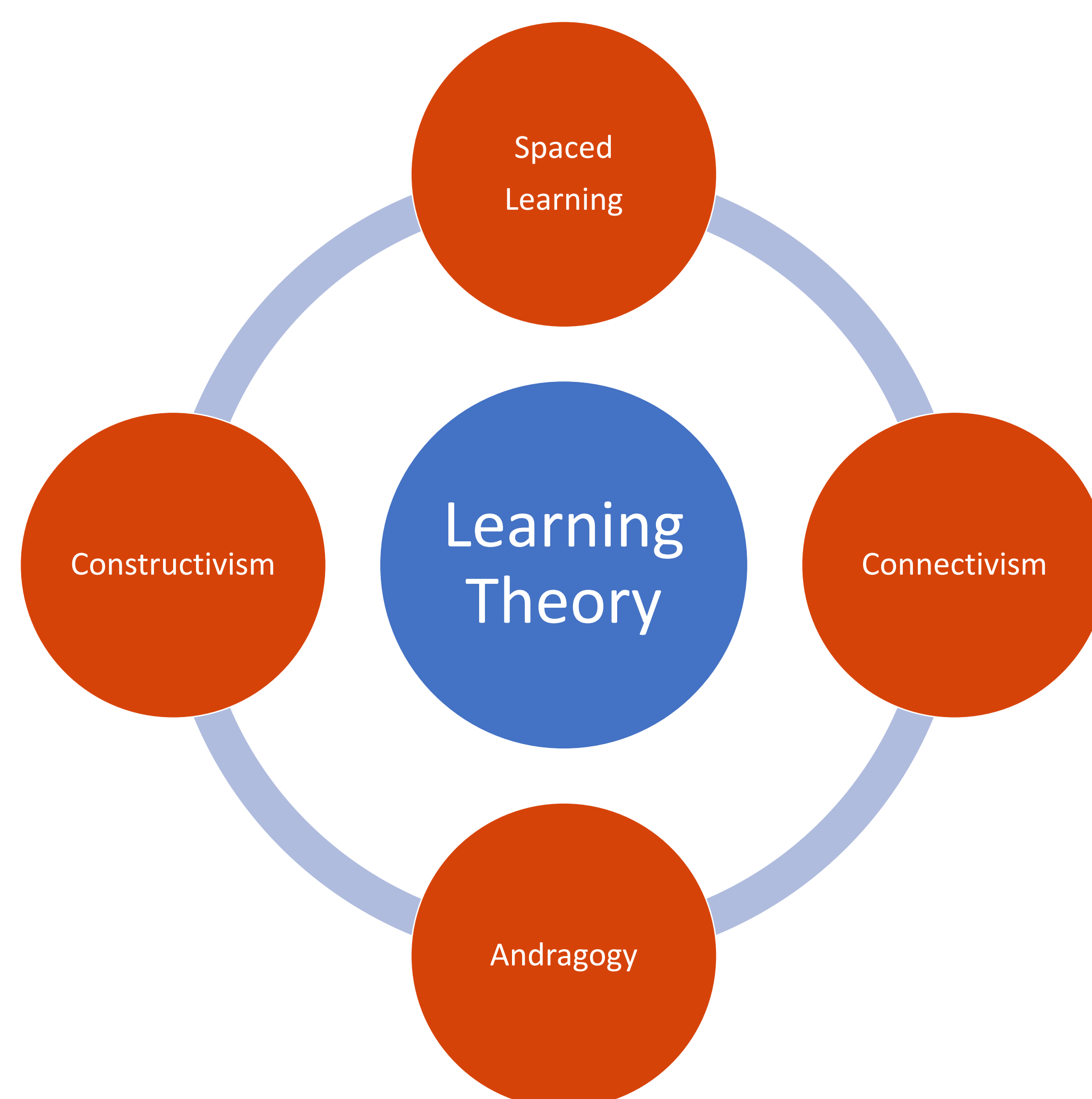
### DIGITAL BADGING

- Digital badges enable individuals to show verifiable evidence of their knowledge, skills, capabilities, and accomplishments.
- Map digital badges to competency model.
- Mold specific skills with additional qualifications.
- Industry-relevant qualifications.
- Allows holders to connect with new opportunities.



### Mini-Course ~ Digital Badge

- Micro-credential course: Augmentation, Upskill, & Reskill.
- Technology-based course varied length depending upon topic.



### DESIGN BEST PRACTICES



- Course format addresses a very specific topic.
- Repurpose content (e.g., unit from current course).
- Interactive with differentiated media.
- Use Open Educational Resources (OER).
- Keep video length short aligned with length of course.
- Make sure course flows smoothly.
- Prepare detailed outline of learning content to find gaps.
- Use educational technology to make course engaging.
- Automate feedback and issuing of digital badge.

### RESOURCES



### HQ AETC/A3B Earner Survey



Did you perceive the eXtended Reality (XR) foundations digital badge to have inherent value?

- The criteria for its award led me down a learning trail I've never been down before. I enjoyed learning what was presented.
- The course was very straightforward and informative.

85.71% - Yes

### UPSKILLING~RESKILLING



- Bite-sized certifications and micro-credentials that can bridge the gap between learning and doing more effectively and efficiently.
- Breeds Confidence, Agility, and Competitive Advantage.
- Drives Productivity, Innovation, and Growth.
- Program delivers more than just skills – Culture of Learning.

### Data

- Employers concerned with employee skill gaps, 74%
- Employers agree programs increase employee engagement, 60%
- Employees willing to upskill or reskill, 77%

Source: PwC Talent Trends 2020 Report