



EDU 331 Course Outline (SPRING 2021)

Instructor: Dr. Kele Anyanwu

| Dates | Week (s) | Module | Description (what will be covered) |
|--|----------|--|--|
| 1/24 - 1/30 | 1 | Overview | <ul style="list-style-type: none"> ✓ Course Introduction ✓ TAS ✓ What is technology & educational technology? |
| 1/31 - 2/6 | 1 | Learning theories & Frameworks | <ul style="list-style-type: none"> ✓ Multiple Intelligence theory ✓ Constructivism / Constructionism ✓ Cognitive Theory of Multimedia Learning ✓ ISTE / Wisconsin |
| 2/7- 3/6 | 4 | Cloud Computing (CC) in Education | <ul style="list-style-type: none"> ✓ What is cloud computing? ✓ Google Sites ✓ Data Visualization with Google & Microsoft Tools ✓ Web 2.0 Tools (apps) ✓ Digital Storytelling & Interactive Mapping |
| 3/7 – 3/20 | 2 | Technology Integration/ IWB in Instruction | <ul style="list-style-type: none"> ✓ Technology use & integration understanding ✓ TI Frameworks/Models ✓ TPACK/ SAMR/ T3 ✓ Interactive White Boards – Smart notebook App ✓ SMART LAB |
| 03/20 – 03/28 (SPRING BREAK 2021) | | | |
| 3/29 – 4/3 | 1 | Teaching & Learning in Pandemic Era | <ul style="list-style-type: none"> ✓ Virtual Instructional Strategies ✓ Ubiquitous Instruction ✓ Video Conferencing |
| 4/4 – 4/17 | 2 | Modern Classroom Knowledge Skills | <ul style="list-style-type: none"> ✓ Coding & ✓ Instructional Mobile App Development |

| | | | |
|-------------|--|------------------------------------|--------------------------------|
| | | | ✓ Robotics |
| | | | ✓ Makerspace |
| 4/18 – 5/1 | 2 | Emerging Technologies in Education | |
| | | | ✓ Artificial Intelligence (AI) |
| | | | ✓ Machine Learning (ML) |
| | | | ✓ |
| 5/2 – 5/12 | 1.5 | Immersive Technologies | |
| | | | ✓ Augmented Reality (AR) |
| | | | ✓ Virtual Reality (VR) |
| | | | ✓ Mixed Reality (MR) |
| 05/13 | COURSE & FINAL SEMESTER EXAM REVIEW | | |
| 5/16 – 5/21 | 1 | Final Semester Exam Week | |
| | | | |

Signature Assignments

| # | ASSIGNMENTS | POINTS | DUE DATES (11.30 PM) |
|-----|--|--------|----------------------|
| 1. | <i>*Course Introduction & Overview</i> | 6 | 01/30 |
| 2. | <i>*EdTech Theories & Frameworks (Canvas Discussion)</i> | 5 | 02/13 |
| 3. | Google Sites | 10 | 03/13 & 05/15 |
| 4. | Data Collection & Visualization | 10 | 03/20 |
| 5. | Interactive Mapping | 5 | 03/27 |
| 6. | Digital Storytelling | 5 | 03/13 |
| 7. | Interactive White Board | 10 | 04/03 |
| 8. | ***Video Conferencing Tools (Group) | 5 | 04/10 |
| 9. | Instructional Mobile App Development | 10 | 05/01 |
| 10. | Artificial Intelligence in Education | 10 | 05/16 |
| 11. | <i>**Immersive Technologies in Education (Canvas Discussion)</i> | 4 | 05/22 |
| 12. | Book Discussions | 10 | See Below |
| | Final Semester Exam | 10 | Consult AccessPoint |
| | | | |
| | Total | 100 | |

Note: Assignments in *italics* with one asterisks * are Canvas discussions should not be part of your Google Site e-portfolio.

Assignments in *italics* with double asterisks ** are Canvas discussions but needs to be further developed for inclusion as part of your Google Site e-portfolio.

Assignments in ***italics and bolded*** with triple asterisks *** are Group projects to be executed by 5 or 6 students collaboratively, they should be included in your Google Site e-Portfolio. A group grid will be provided for groups to sign on.

All assignments are due by 11.30 pm on stated due dates.

BOOK DISCUSSION TOPICS – SPRING 2021

1. The term “disruptive innovation” might have different meaning to different people. Strictly, in the context of what you have read from two textbooks for this course, explain first, your understanding of this term and secondly, from educational perspective do you think you can be impacted in your future career by it? (4points)
Due date – 02/20/2021 (11.30 pm)
2. Delineate how the American school system has evolved? Is it markedly different from what it was a century or two ago? Explain your response with concrete examples. (3points)
Due date – 03/27/2021 (11.30 pm)
3. Education in 21st Century is often described as a life-long adventure; explain your understanding of the statement and what factors would consider as catalysts in empowering the adventure? (3 points)
Due date – 04/24/2021(11.30 pm)

You will post your discussions in the Discussion box before or on the due date and must respond to another’s posting. Read about three or more posting to get other students perspectives on the topic for discussion in class.