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**EDU 331 Course Outline (SPRING 2022)**

*Instructor: Dr. Kele Anyanwu*

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| **Dates** |  | **Module** | **Description**(What will be covered) |
| **MODULE ONE** |
| WK 101/25 |  | Overview |  |
|  |  |  | * Course Introduction
 |
|  |  |  | * TAS
 |
|  |  |  | * What is technology & educational technology?
 |
| WK 201/27 – 02/03 |  | Learning theories & Frameworks |  |
|  |  |  | * Multiple Intelligence theory
 |
|  |  |  | * Constructivism / Constructionism
 |
|  |  |  | * Cognitive Theory of Multimedia Learning
 |
|  |  |  | * ISTE / Wisconsin Standards
 |
| **MODULE TWO** |
| WK 302/08 & 10 |  | Cloud Computing (CC)in Education (1) |  |
|  |  |  | * What is cloud computing?
 |
|  |  |  | * Web 2.0 Tools
 |
|  |  |  | * Google & Microsoft Cloud Platforms & Tools
 |
| WK 402/15 & 17 |  | Cloud Computing (CC)in Education (11) |  |
|  |  |  | * Assessment with Google & Microsoft Forms
 |
|  |  |  | * Interactive Mapping
 |
|  |  |  | * Digital Storytelling
 |
|  |  |  |  |
| WK 502/22 & 25 |  | Cloud Computing (CC)in Education (111) |  |
|  |  |  | * Google Site
 |
|  |  |  | * Developing your course E-Portfolio
 |
| **Complete First Part of Portfolio – Weeks 1 – 5 and submit**  |
| **MODULE THREE** |
| WK 603/1 & 3 |  | Technology Integration / IWB in Instruction |  |
|  |  |  | * Technology use & integration understanding
 |
|  |  |  | * TPACK/ SAMR/ T3 Frameworks
 |
|  |  |  | * SAMR Framework
 |
|  |  |  | * T3 Framework
 |
|  |  |  |  |
| WK 703/8 & 10 |  | Technology Integration /IWB in Instruction |  |
|  |  |  | * Interactive White Boards – Smart notebook App
 |
|  |  |  | * Introduction
 |
|  |  |  | * Activity Builder
 |
|  |  |  |  |
| WK 803/15 & 17 |  | Technology Integration /IWB in Instruction |  |
|  |  |  | * Smart Lab & Smart Block
 |
|  |  |  | * Digital White Boards – Microsoft White board
 |
|  |  |  | * Digital White Board – Google Jamboard
 |
| **SPRING BREAK – 03/19 -27** |
| **MODULE FOUR** |
| WK 903/29 & 30 |  | Modern Classroom Knowledge Skills |  |
|  |  |  | * Virtual Instructional Strategies
 |
|  |  |  | * Ubiquitous Instruction
 |
|  |  |  | * Video Conferencing
 |
| WK 1004/5 & 7 |  | Modern Classroom Knowledge Skills |  |
|  |  |  | * Coding & Robotics
 |
|  |  |  | * Intro- Instructional Mobile App Development
 |
|  |  |  | * Tools for Instructional Mobile App Development
 |
|  |  |  | * AppLab & Appsheet plus other tools
 |
| WK 1104/12 &14 |  | Modern Classroom Knowledge Skills |  |
|  |  |  | * Developing instructional mobile app
 |
|  |  |  | * Share/deploy/distribute your app
 |
| **MODULE FIVE** |
| WK 1204/19 & 21 |  | Emerging Technologies in Education |  |
|  |  |  | * Augmented Reality ( AR)
 |
|  |  |  | * Virtual Reality (VR)
 |
|  |  |  | * Mixed Reality (MR)
 |
| WK 1304/26 & 28 |  | Emerging Technologies in Education |  |
|  |  |  | * Artificial Intelligence (AI)
 |
|  |  |  | * Machine Learning (ML)
 |
|  |  |  | * Google Teachable Machine
 |
|  |  |  | * Microsoft Lobe
 |
| WK 1405/3 & 5 |  | Professional Portfolio Development |  |
|  |  |  | * Elements of professional e-portfolio
 |
|  |  |  | * Tools of development - Google Site
 |
| WK 1505/3 & 5 |  | Review & Submit Final Portfolio | * Completion of portfolio from weeks 6 - 14
 |
| WK1612/13 - 17 | **FINAL SEMESTER EXAM WEEK** |

**Signature Assignments**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **ASSIGNMENTS** | **POINTS** | **DUE DATES** |
|  | MS-Flipgrid Video Introduction |  |  |
|  | Technology Assessment Survey (TAS)Read Course Syllabus/Outline |  |  |
|  | **MODULE ONE** |  |  |
| 1. | EdTech Learning Theory & Standard (ELTS)*(Discussion 1- Disruptive Innovation – Chapter 1)* | 5 |  |
|  | **MODULE TWO** |  |  |
| 2.  | Assessment & Visualization with Cloud Tools (AVCT)*(Discussion 2-Rethinking Education.-Chapter 1&2)* | 10 |  |
| 3.  | Interactive Story Mapping (ISM)*(Discussion 3-Rethinking Education..-Chapter 3&4)* | 10 |  |
|  | **MODULE THREE** |  |  |
| 4. | Interactive White Board Activities (IWB)*(Discussion 4- Disruptive Innovation – Chapter 2-4)* | 10 |  |
|  | **MODULE FOUR** |  |  |
| 5. | Instructional Mobile App Development (IMAD)*(Discussion 5-Rethinking Education..-Chapter 5&6)* | 10 |  |
|  | **MODULE FIVE** |  |  |
| 6. | Immersive Technologies Paper (ITP)*(Discussion 6-Rethinking Education..-Chapter 7&8)* | 5 |  |
| 7. | Artificial Intelligence - Machine Learning in Education (MLE) *(Discussion 7-Rethinking Education..-Chapter 9&10)* | 10 |  |
|  | **E-Portfolio Development** |  |  |
| 8. | Professional E-Portfolio Development (PED)*(Discussion 8- Disruptive Innovation – Chapter 5-6)* | 15 |  |
|  | Book Discussions (See Discussion Pages in Canvas) | 15 |  |
|  | **Total**  | **100** |  |

Note the following:

1. All assignments are due by 11.30 pm on stated due dates.
2. Read the assignment rubrics before working on the assignments
3. Use link to resources for each assignment to facilitate your execution of the assignment.
4. All book discussions are due on the dates stated in the respective due dates in Canvas.
5. Follow the book discussion guidelines when posting your discussions