

# Technology & Visual Arts

AIDI 1004-02 Issues & Challenges in AI

Tuesday, 08:00am – 11:00 AM EST

**Course Description:** Artificial Intelligence(AI) presents many technical challenges and social issues. Before being able to design an AI solution, the problem must be clearly defined, and resources identified. Students explore AI ethics and how Artificial Intelligence can be leveraged and applied to a wide range of real-world challenges such as advertising, art, business, finance, economics, environmental, government, healthcare, manufacturing, security & video games.

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**Resources:** Will be provided as necessary on blackboard

## Evaluation/Grading Rubric

|                   |     |
|-------------------|-----|
| Midterm APA Paper | 15% |
| Final APA Paper   | 20% |
| Project           | 20% |
| Assignment1       | 5%  |
| Midterm Exam      | 20% |
| Final Exam        | 20% |

### Schedule of Activities:

| Week | Date         | Lesson                           | Assignment/ Exam  | Due                                      |
|------|--------------|----------------------------------|-------------------|--|
| 1    | 09/05        | APA For Research                 |                   |  |
| 2    | 09/12        | Ethics Introduction              |                   |  |
| 3    | 09/19        | A.I Rights                       | Assignment 1-APA  | Mon 19 <sup>th</sup> Sept 11:59PM EST    |
| 4    | 09/26        | Cyborgs                          |                   |  |
| 5    | 10/03        | Problem Scoping                  |                   |  |
| 6    | 10/10        | Requirement Gathering            |                   |  |
| 7    | 10/17        | Exploratory Data Analysis        | Midterm APA Paper | Mon 17 <sup>th</sup> Oct 11:59PM EST     |
|      | <b>10/24</b> | <b>Reading Week- No Classes</b>  |                   |  |
| 8    | 10/31        | Midterm Exam                     | Exam1             | Mon 31st Oct 8PM – 10PM EST              |
| 9    | 11/07        | Data Manipulation                |                   |  |
| 10   | 11/14        | Building Predictive Models       |                   |  |
| 11   | 11/21        | Building a Trusted A.L Ecosystem | Final APA Paper   | Mon 21st Nov, 11:59PM EST                |
| 12   | 11/28        | AI in Warfare                    | Project           | Mon 28th Nov, 11:59PM EST                |
| 13   | 12/05        | Singularity                      |                   |  |
| 14   | 12/12        | Final Exam                       | Exam2             | Mon 12 <sup>th</sup> Dec, 8AM – 10AM EST |

The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning styles of the students.

*Due to extenuating circumstances and to accommodate the need for this program to be offered remotely, there may be some modifications to the evaluation/assessment. This has been approved by the Dean of Technology & Visual Arts (TVA), as directed by the Vice President, Academic.*