**DEN 432: January 2024**

**Course Catalog Description:**

An introduction to the concepts, methodologies, and practices of the concurrent engineering design environment for effective and efficient integration of products, systems, and manufacturing processes.

**Prerequisites:** MTH 210, or CSC 220

**Schedule:**

In addition to successfully achieving the learning outcomes, students are expected to participate in all class activities, complete exams as scheduled, and turn in all assignments on time. Failure to do so will result in the loss of points.

All assignments for the week are due at MIDNIGHT SUNDAY Pacific Time

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| **Week 1** | All Weekly Deliverables Due |
| Discussion Forum Week 1 | January 14, 2024 |
| Phase I of the Project (WIP) |  |
| Review: Gate I of the Project on Zoom | January 10, 2024 |
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| **Week 2**  |  |
| Discussion Forum Week 2 | January 21, 2024 |
| Phase II of the Project (WIP) |  |
| Review: Gate II of the Project in class | January 16, 2024 |
| Midterm Exam | January 21, 2024 |
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| **Week 3**  |  |
| Discussion Forum Week 3 | January 28, 2024 |
| Phase III of the Project (WIP) |  |
| Review: Gate III of the Project on Zoom | January 24, 2024 |
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| **Week 4** |  |
| Discussion Forum Week 4 | February 4, 2024 |
| Phase IV of the Project (WIP) |  |
| Final Project Report | February 4, 2024 |
| Final Exam | February 4, 2024 |
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**Course Grading:**

Course grading will be based on these components:

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| Grading Component | Total Points |
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| Discussion Board (4x25) points each week) | 100 |
| Midterm Exam | 200 |
| Final Exam | 200 |
| Weekly Gate Reviews (4x 50) | 200 |
| Team Project Report | 300 |
| **Total** | **1000** |

**Reference Textbook : Design for Manufacturability & Concurrent Engineering, Dr. David M. Anderson, CIM Press**

**Additional Reference Learning Material:** will be distributed by your instructor.