# **Fall 2020**

# **IET 4451 – Systems Simulation**

**Course Schedule**

The due dates for all assignments are shown below. All students are expected to attend all class sessions beginning with the first class session and continuing all the way through Final Exam Week. The last day to withdraw from this course with a grade of "W" is Wednesday, October 7, 2020.

## **Tentative Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Date** | **Week** | **Topics** | **Due Date** |
| M | 8/17 | 1 | Introduction/Syllabus/Course Schedule |  |
| W | 8/19 | 1 | What is Simulation?/Input Analyzer ppt/video (No class) |  |
| M | 8/24 | 2 | Input Analyzer class model/HW1 lecture |  |
| W | 8/26 | 2 | Input Analyzer ppt/video (No class) |  |
| M | 8/31 | 3 | Navigating Around Arena/Building Simulation Models/HW2 lecture | HW1 |
| W | 9/2 | 3 | Building Simulation Models ppt/video (No class) |  |
| M | 9/7 |  | ***Labor Day Holiday – No Class*** |  |
| W | 9/9 | 4 | Building Simulation Models ppt/video (No class) |  |
| M | 9/14 | 4 | Building Simulation Models class model/HW3 lecture | HW2 |
| W | 9/16 | 5 | Assign Resources and Record Throughput ppt/video (No class) |  |
| M | 9/21 | 5 | Assign Resources and Record Throughput/HW4 lecture | HW3 |
| W | 9/23 | 6 | Utilization and Animation ppt/video (No class) |  |
| M | 9/28 | 6 | Utilization and Animation class model/HW5 lecture | Topics/HW4 |
| W | 9/30 | 7 | Separate, Batch, and Match ppt/video (No class) |  |
| M | 10/5 | 7 | Separate, Batch, and Match class model/HW6 lecture | HW5 |
| W | 10/7 | 8 | Sequencing Processes ppt/video (No class) |  |
| M | 10/12 | 8 | Sequencing Processes class model/HW7 lecture | HW6 |
| W | 10/14 | 9 | Study Day for Exam 1 (No class) |  |
| M | 10/19 | 9 | **Midterm Exam – HWs 1, 2, 3, 4, 5, 6 (open 4am-11pm in D2L Quizzes tab)** | Midterm Exam |
| W | 10/21 | 10 | Process Analyzer and OptQuest Optimization ppt/video (No class) |  |
| M | 10/26 | 10 | Process Analyzer class model/HW8 lecture | HW7 |
| W | 10/28 | 11 | Entity Transfer video (No class) |  |
| M | 11/2 | 11 | Entity Transfer class model/HW9 lecture | HW8 |
| W | 11/4 | 12 | Level Indicator and Time Plot ppt/video (No class) |  |
| M | 11/9 | 12 | Level Indicator and Time Plot class model/HW10 lecture | HW9 |
| W | 11/11 | 13 | Work on group project (No class) |  |
| M | 11/16 | 13 | Work on group project (No class) | HW10 |
| W | 11/18 | 14 | Work on group project (No class) |  |
| M | 11/23 |  | ***Fall Break – No Class*** |  |
| W | 11/25 |  | ***Fall Break – No Class*** |  |
| M | 11/30 | 14 | Group Projects (Submit narrated ppt. slides and .doe Arena model in D2L folder) (No class) | Group Projects due |
| W | 12/2 | 15 | Study Day for Exam 2 (No class) |  |
| M | 12/7 | 15 | **Final Exam – HWs 7, 8, 9, 10 (open 4am-11pm in D2L Quizzes tab)** | Final Exam |