# AUGUST 2016

COURSE **ENGI 1331** SEMESTER **FALL 2016**

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SAT/SUN |
|---|---|---|---|---|---|---|
| WEEK 1 | 22<br>Course Introduction And Expectations,<br><br>Introduction to Problem Solving , Engineering Process | 23 | 24<br>**Algorithms:** Basic Inputs, Outputs, Conditions, and Loops | 25 | 26 | 27/28 |
| notes | | | | | | |
| WEEK 2 | 29<br>Introduction to MATLAB, Basic Programming | 30 | 31<br>Basic Inputs and Outputs<br><br>**A0 & A1 Due 11pm** | SEPT. 1 | 2<br>**Syllabus Quiz Due NOON (12 pm)** | 3/4<br>**MA1 Due Sunday, September 4 11pm** |
| notes | Las t Day to ADD to Class | | | | | |

| Acronym | What it means |
|---|---|
| **Ch.** | Chapter – *corresponds to reading assignments for each class period* |
| **RP** | Recommended Problems – *you should be working through these* |
| **CC** | Comprehension Checks – *found throughout the chapters (answers in back of book)* |
| **ICA** | In-Class Activities – *found at the end of the chapter (grey pages)* |
| **Review** | Review Questions – *found at the end of the chapter (blue pages)* |
| **A** | Assignment – *should take about 30 minutes to complete* |
| **MA** | Mastery Assignment – *should take up to 3 hours to complete* |
| **MEL** | MyEngineeringLabs – *access through BlackBoard* |
| **LC** | Learning Catalytics – *found on MEL; mostly exam review problem sets* |

# SEPTEMBER 2016

COURSE **ENGI 1331** SEMESTER **FALL 2016**

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SAT/SUN |
|---|---|---|---|---|---|---|
| WEEK 3 | 5<br>**Labor Day**<br>**NO CLASS** | 6 | 7<br>Vectors, Matrices, and Arrays<br>**A2 Due 11pm** | 8 | 9 | 10/11<br>**MA2 Due**<br>**Sunday, Sept. 11 11pm** |
| | notes | | **Last day to drop w/o a W** | | | |
| WEEK 4 | 12<br>Matrix Functions | 13 | 14<br>**Applications and review**<br>- Optimization<br>- System of Equations | 15 | 16 | 17/18<br>**MIDTERM 1**<br>**9AM to 11AM** |
| | notes | | **A3 Due 11pm** | | | |
| WEEK 5 | 19<br>User-defined Functions | 20 | 21<br>Plotting | 22 | 23 | 24/25<br>**MA3 Due**<br>**Sunday, Sept. 25 11pm** |
| | notes | | **A4 Due 11pm** | | | |
| WEEK 6 | 26<br>Polynomials and Curve Fitting | 27 | 28<br>MA4 and Project Work Day | 29 | 30 | OCT 1/2<br>**MA4 Due**<br>**Sunday, Oct. 2 11pm** |
| | notes | | **A5 Due 11pm** | | | |

# OCTOBER2016

COURSE **ENGI 1331** SEMESTER **FALL 2016**

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SAT/SUN |
|---|---|---|---|---|---|---|
| WEEK 7 | 3<br>Conditionals Statements, Errors and Warnings<br>notes | 4 | 5<br>Nested Conditionals<br>**A6 Due 11pm** | 6 | 7 | 8/9<br>**MA5 Due**<br>**Sunday, Oct. 09 11pm** |
| WEEK 8 | 10<br>Applications & Review<br>Project Work Day<br>notes | 11 | 12<br>Practice, Review, Project Work Day<br>**A7 Due 11pm** | 13 | 14 | 15/16<br>**Project 1 Due**<br>**Sunday, Oct. 16 11pm** |
| WEEK 9 | 17<br>Switch Statements<br>notes | 18 | 19<br>Project and Review | 20 | 21 | 22/23<br>**MIDTERM 2**<br>**9AM to 11AM** |
| WEEK 10 | 24<br>While Loops<br>notes | 25 | 26<br>While Loops<br>**A8 Due 11pm** | 27 | 28<br>**Last day to drop with a W** | 29/30<br>**MA6 Due**<br>**Sunday, Oct. 30 11pm** |

# NOVEMBER 2016

COURSE **ENGI 1331** SEMESTER **FALL 2016**

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SAT/SUN |
|---|---|---|---|---|---|---|
| WEEK 1 | 31<br>For Loops | 1 | 2<br>Nested For Loops | 3 | 4 | 5/6<br>**MA7 Due**<br>**Sunday, Sept. 11**<br>**11pm** |
| notes | | | **A9 Due**<br>**11pm** | | | |
| WEEK 2 | 7<br>Applications of Loops | 8 | 9<br>Applications of Loops<br>Project Work Day | 10 | 11 | 12/13<br>**MA8 Due**<br>**Sunday, Sept. 11**<br>**11pm** |
| notes | | | | | | |
| WEEK 3 | 14<br>Major Quiz on Loops | 15 | 16<br>Review Quiz and Loop Applications<br>Project Work Day | 17 | 18 | 19/20 |
| notes | | | | | | |
| WEEK 4 | 21<br>Project Work Day | 22 | 23 | 24 | 25 | 26/27<br>**Project 2 Due**<br>**Sunday, Nov. 27**<br>**11pm** |
| notes | | **A10 Due**<br>**11pm** | | | | |

# DECEMBER 2016

COURSE **ENGI 1331** SEMESTER **FALL 2016**

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SAT/SUN |
|---|---|---|---|---|---|---|
| WEEK 1 | 28<br>Project and Exam Review | 29 | 30<br>Review and Course Survey | 1 | 2 | 3/4 |
| notes | | | | | | |
| WEEK 2 | 5 | 6<br>**FINAL EXAM**<br>**5pm to 8pm** | 7 | 8 | 9 | 10/11 |
| notes | | | | | | |
| WEEK 3 | 12 | 13 | 14 | 15 | 16 | 17/18 |
| notes | | | | | | |