

# Math087 - Mathematical Modelling - AY2024-2025 spring

George McNinch

## Tasks

| Date  | DOW | Desc       | Seq | Week | Details  |
|-------|-----|------------|-----|------|--|
| 01/19 | Sun | Assignment |     | 1    | no assignment collected  |
| 01/20 | Mon | Tufts      |     | 2    | <b>No classes:</b> <i>MLK Day</i>                                      |
| 01/22 | Wed | Tufts      |     | 2    | <b>Academic Date:</b> <i>Last day to add a course</i>                  |
| 01/26 | Sun | Assignment |     | 2    | PS01: Optimization   |
| 02/02 | Sun | Assignment |     | 3    | PS02: Linear programs  |
| 02/09 | Sun | Assignment |     | 4    | PS03: Dual linear programs   |
| 02/16 | Sun | Assignment |     | 5    | midterm report 1 (linear programming)                                  |
| 02/17 | Mon | Tufts      |     | 6    | <b>No classes:</b> <i>Presidents' Day</i>                              |
| 02/19 | Wed | Tufts      |     | 6    | <b>Academic Date:</b> <i>Last day to drop a course without record</i>  |
| 02/20 | Thu | Tufts      |     | 6    | <b>Tufts:</b> <i>Monday schedule</i>                                   |
| 02/23 | Sun | Assignment |     | 6    | PS04: integer programming & max flow                                   |
| 02/26 | Wed | Exam       |     | 7    | <b>in-class quizzes (~20-30 minute)</b>                                |
| 03/02 | Sun | Assignment |     | 7    | PS05: matching and finite-state machines                               |
| 03/09 | Sun | Assignment |     | 8    | PS06: eigenvalues & Markov processes                                   |
| 03/15 | Sat | Tufts      |     | 9    | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/16 | Sun | Assignment |     | 9    | (no homework – spring break begins)                                    |
| 03/16 | Sun | Tufts      |     | 9    | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/17 | Mon | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/18 | Tue | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/19 | Wed | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/20 | Thu | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/21 | Fri | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/22 | Sat | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/23 | Sun | Assignment |     | 10   | midterm report 2 (page-rank)   |
| 03/23 | Sun | Tufts      |     | 10   | <b>No classes:</b> <i>Spring Break</i>                                 |
| 03/30 | Sun | Assignment |     | 11   | PS07: Monte-Carlo methods  |
| 04/02 | Wed | Tufts      |     | 12   | <b>Academic Date:</b> <i>Last day to withdraw from a course with W</i> |
| 04/02 | Wed | Tufts      |     | 12   | <b>Academic Date:</b> <i>Last day to select Pass/Fail Option</i>       |
| 04/06 | Sun | Assignment |     | 12   | PS08: binomial & poisson distributions                                 |
| 04/09 | Wed | Exam       |     | 13   | <b>in-class quizzes (~20-30 minute)</b>                                |
| 04/13 | Sun | Assignment |     | 13   | PS09: least squares & inverse problems                                 |
| 04/13 | Sun | Assignment |     | 13   | Final project proposals due  |
| 04/20 | Sun | Assignment |     | 14   |  |
| 04/21 | Mon | Tufts      |     | 15   | <b>No classes:</b> <i>Patriots' Day</i>                                |
| 04/27 | Sun | Assignment |     | 15   |  |
| 04/29 | Tue | Tufts      |     | 16   | <b>No classes:</b> <i>Makeup Day (no classes)</i>                      |
| 04/29 | Tue | Tufts      |     | 16   | <b>Academic Date:</b> <i>Reading Period</i>                            |
| 04/30 | Wed | Tufts      |     | 16   | <b>Academic Date:</b> <i>Reading Period</i>                            |
| 05/01 | Thu | Tufts      |     | 16   | <b>Academic Date:</b> <i>Reading Period</i>                            |
| 05/02 | Fri | Assignment |     | 16   | Final Project Due  |
| 05/02 | Fri | Tufts      |     | 16   | <b>Academic Date:</b> <i>Final Exam Period</i>                         |
| 05/03 | Sat | Tufts      |     | 16   | <b>Academic Date:</b> <i>Final Exam Period</i>                         |

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| 05/04 | Sun | Tufts |     | 16   | <b>Academic Date:</b> <i>Final Exam Period</i> |
| 05/05 | Mon | Tufts |     | 17   | <b>Academic Date:</b> <i>Final Exam Period</i> |
| 05/06 | Tue | Tufts |     | 17   | <b>Academic Date:</b> <i>Final Exam Period</i> |
| 05/07 | Wed | Tufts |     | 17   | <b>Academic Date:</b> <i>Final Exam Period</i> |
| 05/08 | Thu | Tufts |     | 17   | <b>Academic Date:</b> <i>Final Exam Period</i> |
| 05/09 | Fri | Tufts |     | 17   | <b>Academic Date:</b> <i>Final Exam Period</i> |