Instructor: Dr. Mehrdad Razavi
Office Hours: Monday 2:00 PM to 4:00 PM or by Appointment
Office: MSEC 288
Phone: (575) 835-6447
E-mail: Mehrdad@nmt.edu
Class Website: http://www.nmt.edu/~Mehrdad/ME540/

Class Schedule

Tuesday  Applied Computer Programs  9:30 AM to 10:45 AM
Thursday MATLAB and Programming  9:30 AM to 10:45 AM

Teaching Assistant

Siavash Amirrahmat email: samirrah@nmt.edu

References

1. Class Notes
2. Lecture Handouts

Course Outline

Part A: Tuesdays

- Useful Computer Programs

Part B: Thursdays

- MATLAB
- Computer Programming in MATLAB
- Finite Difference Method and Computer Programming
- Finite Element Method and Computer Programming
- Numerical Modeling of Seepage in Soils
- Numerical Modeling of Consolidation
Application of MATLAB in Solving Engineering Problems
Development of Interactive User Interfaces in MATLAB

Grading

<table>
<thead>
<tr>
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<th>Weight</th>
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<tbody>
<tr>
<td>Homework</td>
<td>70%</td>
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<tr>
<td>Project</td>
<td>30%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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Homework Policy
1. All homework problems must be handed by 5:00 PM on due date; all homework assignments will be due one week after the day they are assigned.
2. Late homework is accepted, however, a 20% penalty is applied for each day after the due date.

Grading Policy
1. This course does not have any exam and grading will be done based on homework assignments, project, and participation in class discussions.
2. To pass the course all homework assignments and project should be submitted.
3. Grades will be assigned on an absolute scale, as minimum. However I reserve the right to adjust borderline grades upward on the basis of trends in homework, project, and class performance.