## HIGHWAY ENGINEERING

**MW 10:00 - 10:50 a.m., Room EGR 1110**  
**Lab W 2:00 - 3:50 p.m., Room CHE 2136**

*This book is available at the Maryland Book Exchange and the University Book Center.*

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>READING ASSIGNMENT</th>
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<tr>
<td>Sept. 3</td>
<td>Introduction</td>
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<td>Sept. 8</td>
<td>Plane differential geometry</td>
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<td>15</td>
<td>Highway design elements</td>
<td>7 (1-12)</td>
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<td>17</td>
<td>Horizontal alignment</td>
<td>7 (13-18)</td>
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<td>24</td>
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<td>29</td>
<td>Sight distance</td>
<td>7 (19-21)</td>
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<td>Oct.  1</td>
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<td>7 (22-26)</td>
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<td>6</td>
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<td>13 (16-18)</td>
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<td>8</td>
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<tr>
<td>13</td>
<td>Earthwork</td>
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<td>15</td>
<td>Earthwork</td>
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<td>22</td>
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<td>29</td>
<td>Vehicle characteristics</td>
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<td>Nov.  3</td>
<td>Traffic characteristics</td>
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<td>Nov. 10</td>
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<td>12</td>
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<td>17</td>
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<td>Delays, queues</td>
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<td>26</td>
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<td><strong>FINAL EXAM!!</strong> Saturday 8:00 - 10:00 a.m.</td>
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<td>2. 9/10</td>
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<td>9. 10/29</td>
<td>Finish design labs</td>
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OTHER REFERENCES


GRADING

- Test 1: 20%
- Test 2: 20%
- Final exam: 25%
- Quizzes / HW: 10%
- Labs: 25%

Brief quizzes (~ 5 minutes) may be given on any Wednesday, covering reading assignments.