# Civil and Environmental Engineering

## CEE 405  Asphalt Materials I  credit: 3 OR 4 hours.
Properties and control testing of bituminous materials, aggregates for bituminous mixtures, and analysis and design of asphalt concrete and liquid asphalt cold mixtures; structural properties of bituminous mixes; surface treatment design; recycling of mixtures. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CEE 310.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>31541</td>
<td>Laboratory</td>
<td>3A</td>
<td>09:00 AM - 10:50 AM</td>
<td>F</td>
<td>B226 - Newmark Civil Engineering Bldg</td>
<td>Buttlar, W</td>
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Lecture 3A 10:00 AM - 10:50 AM MW 1302 - Siebel Center for Comp Sci

Credit Hours: 3 hours

| 41753 | Laboratory | 3B      | 11:00 AM - 12:50 PM | F    | B226 - Newmark Civil Engineering Bldg | Buttlar, W  |

Lecture 3B 10:00 AM - 10:50 AM MW 1302 - Siebel Center for Comp Sci

Credit Hours: 3 hours

| 31543 | Laboratory | 4A      | 11:00 AM - 12:50 PM | F    | B226 - Newmark Civil Engineering Bldg | Buttlar, W  |

Lecture 4A 10:00 AM - 10:50 AM MW 1302 - Siebel Center for Comp Sci

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.
This section is reserved for graduate students only.

| 41752 | Laboratory | 4B      | 09:00 AM - 10:50 AM | F    | B226 - Newmark Civil Engineering Bldg | Buttlar, W  |

Lecture 4B 10:00 AM - 10:50 AM MW 1302 - Siebel Center for Comp Sci

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.
This section is reserved for graduate students only.