CEL 9013: Spatial Analysis and Modeling

1. Instructor

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2. Description

The objective of this course is to familiarize students with concepts and functions available vector-based spatial analysis to analyze and manipulate spatial data. Topics include selection and query, proximity analysis, overlay analysis, model builder, and other geoprocessing functions. Class format: approximately 50% lecture, 50% lab exercises.

3. Schedule

**Friday**

8:30 – 9:00      Introduction
9:00 – 10:00     Lecture 1: Selection and Query
10:00 – 11:30    Lab1
11:30 – 12:00    Lecture 2: Spatial Operators
12:00 – 1:00     Lunch Break
1:00 – 2:30      Lab 2
2:30 – 3:30      Lecture 3: Proximity Analysis
3:30 – 5:30      Lab3

**Saturday**

8:30 – 10:00     Lecture 4: Overlay
10:00 – 11:30    Lab4
11:30 – 12:30    Lecture 5: Other Tools
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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>12:30 – 1:30</td>
<td>Lunch Break</td>
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<td>1:30 – 3:00</td>
<td>Lab 5</td>
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<td>3:00 – 4:00</td>
<td>Lecture 6: Modelling</td>
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<td>4:00 – 5:00</td>
<td>Lab 6</td>
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<td>5:00 – 5:30</td>
<td>Course wrap up</td>
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