## Computer Science

### CS 476  Program Verification  credit: 3 OR 4 hours.
Formal methods for demonstrating correctness and other properties of programs. Invariant assertions; Hoare axiomatics; well-founded orderings for proving termination; structural induction; computational induction; data structures; parallel programs; overview of predicate calculus. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CS 225; CS 374 or MATH 414.

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<th>CRN</th>
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<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>35855</td>
<td>Lecture-Discussion</td>
<td>D3</td>
<td>09:30 AM - 10:45 AM</td>
<td>TR</td>
<td>1131 - Siebel Center for Comp Sci</td>
<td>Meseguer, J</td>
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Credit Hours: 3 hours

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Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.