# CS 425  **Distributed Systems**  credit: 3 OR 4 hours.
Protocols, specification techniques, global states and their determination, reliable broadcast, transactions and commitment, security, and real-time systems. Same as ECE 428. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CS 241 or ECE 391.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>67394</td>
<td>Online</td>
<td>DSO</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>Gupta, I</td>
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</tbody>
</table>
|       | Credit Hours: 4 hours
Restricted to MCS:Computer Sci Online -UIUC or NDEG:Computer Science Onl-UIUC.
This course is only for students that are in the Computer Science MCS-DS Program. Additional Coursera ID verification and ProctorU fees may apply.

| 62170 | Online          | ONL     | ARRANGED -      | -    | -                    | Bhatt, M Gupta, I Mehar, J |
|       | Credit Hours: 4 hours
Restricted to online non-degree, online MCS, online MSAE, online MSME, and online MSCE students. For more details on this course section, please see [http://engineering.illinois.edu/online/courses/](http://engineering.illinois.edu/online/courses/).

| 36091 | Lecture-Discussion | P3     | 02:00 PM - 03:15 PM | TR   | 1320 - Digital Computer Laboratory | Gupta, I |
| 57769 | Lecture-Discussion | P4     | 02:00 PM - 03:15 PM | TR   | 1320 - Digital Computer Laboratory | Gupta, I |

Credit Hours: 3 hours

Credit Hours: 4 hours

Credit Hours: 3 hours
Instructor Approval Required
Overflow section for Students in this section will complete this course completely online except for the following which must be completed on-campus: Exams (will be completed in the classroom with the instructor/TA), Homework/exam sessions

| 48734 | Lecture-Discussion | Q3     | ARRANGED -      | -    | -                    | Gupta, I   |

Credit Hours: 4 hours
Instructor Approval Required
Overflow section for Students in this section will complete this course completely online except for the following which must be completed on-campus: Exams (will be completed in the classroom with the instructor/TA), Homework/exam sessions

| 69747 | Lecture-Discussion | Q4     | ARRANGED -      | -    | -                    | Gupta, I   |

Credit Hours: 4 hours
Instructor Approval Required
Overflow section for Students in this section will complete this course completely online except for the following which must be completed on-campus: Exams (will be completed in the classroom with the instructor/TA), Homework/exam sessions