# Statistics

**STAT 410  Statistics and Probability II**  credit: 3 OR 4 hours.
Continuation of STAT 400. Includes moment-generating functions, transformations of random variables, normal sampling theory, sufficiency, best estimators, maximum likelihood estimators, confidence intervals, most powerful tests, unbiased tests, and chi-square tests. Same as MATH 464. 3 undergraduate hours. 4 graduate hours. Credit is not given for both STAT 410 and STAT 409. Prerequisite: STAT 400; or STAT 100 and MATH 461.

<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>36150</td>
<td>Lecture</td>
<td>1GR</td>
<td>02:00 PM - 03:20 PM</td>
<td>TR</td>
<td>1092 - Lincoln Hall</td>
<td>Yang, Y</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours  
For Statistics course registration information: go.illinois.edu/StatisticsRegistration

| 36149| Lecture| 1UG     | 02:00 PM - 03:20 PM | TR   | 1092 - Lincoln Hall | Yang, Y    |

Credit Hours: 3 hours  
Restricted to Undergrad - Urbana-Champaign.  
For Statistics course registration information: go.illinois.edu/StatisticsRegistration

| 61860| Lecture| 2GR     | 02:00 PM - 02:50 PM | MWF  | 1092 - Lincoln Hall | Stepanov, A|

Credit Hours: 4 hours  
For Statistics course registration information: go.illinois.edu/StatisticsRegistration

| 61861| Lecture| 2UG     | 02:00 PM - 02:50 PM | MWF  | 1092 - Lincoln Hall | Stepanov, A|

Credit Hours: 3 hours  
Restricted to Undergrad - Urbana-Champaign.  
For Statistics course registration information: go.illinois.edu/StatisticsRegistration

| 63555| Lecture| 3GR     | 10:00 AM - 10:50 AM | MWF  | 160 - English Building | Stepanov, A|

Credit Hours: 4 hours  
For Statistics course registration information: go.illinois.edu/StatisticsRegistration

| 63557| Lecture| 3UG     | 10:00 AM - 10:50 AM | MWF  | 160 - English Building | Stepanov, A|

Credit Hours: 3 hours  
Restricted to Undergrad - Urbana-Champaign.