Statistics

STAT 200  **Statistical Analysis**  credit: 3 hours.
Principles in statistical design and analysis motivated by real case studies. Statistical computing is introduced and used for data analysis. Theory and techniques include survey sampling, hypothesis testing, contingency tables, Poisson models, regression analysis, and response surface analysis. The vital role of statistics in science is illustrated by case studies, and students learn principles related to study design, data collection, data presentation, and statistical computing, as well as technical writing and communication skills.

This course satisfies the General Education Criteria for a:
Quantitative Reasoning I

<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>39280</td>
<td>Lecture-Discussion</td>
<td>B1</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>2 - Illini Hall</td>
<td>Douglas, J</td>
</tr>
</tbody>
</table>

Quant Reasoning I course.
Discovery, and Quant Reasoning I course.
Statistical Analysis, 3 hours. Principles of statistical design and analysis motivated by real case studies. Statistical computing is introduced and used for data analysis. Theory and techniques include survey sampling, hypothesis testing, contingency tables, Poisson models, regression analysis, and response surface analysis. The vital role of statistics in science is illustrated by case studies, and students learn principles related to study design, data collection, data presentation, and statistical computing, as well as technical writing and communication skills. First year Discovery Program course. Registration restricted to freshman. Students should enroll in only one Discovery course.

| 43774 | Lecture-Discussion | N1     | 09:00 AM - 09:50 AM | MWF  | 2 - Illini Hall | Harder, P  |

Quant Reasoning I course.
Quant Reasoning I course.