# Statistics

**STAT 430  **Topics in Applied Statistics  **credit: 3 OR 4 hours.**

Formulation and analysis of mathematical models for random phenomena; extensive involvement with the analysis of real data; and instruction in statistical and computing techniques as needed. Same as MATH 468. 3 undergraduate hours. 4 graduate hours. May be repeated with approval. Prerequisite: STAT 410 or STAT 420; or consent of instructor.

<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>60255</td>
<td>Lecture</td>
<td>M1G</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>223 - Gregory Hall</td>
<td>Zhao, S</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours
Survival Analysis
Restricted to Graduate - Urbana-Champaign.
Introduction to the analysis of time-to-event outcomes. Topics include censoring, discrete survival, parametric models, nonparametric one- and K-sample methods, Cox regression, regression diagnostics, time-dependent covariates, and multivariate survival outcomes. Emphasis on key underlying concepts and practical implementation. Prerequisites: STAT 410 and knowledge of R. Recommended: STAT 420. Restricted to Statistics Graduate Students until May 5, 2014. Some seats are reserved for incoming Statistics graduate students. If you receive a Reserved-Closed error, that means the course is full except for the reserved seats.

| 60257 | Lecture | M1U     | 11:00 AM - 11:50 AM | MWF  | 223 - Gregory Hall | Zhao, S    |

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

| 55664 | Lecture | S1G     | 03:00 PM - 03:50 PM | MWF  | G27 - Foreign Languages Building | Glosemeyer, D |

Credit Hours: 4 hours
Professional Statistics Skills
Restricted to Graduate - Urbana-Champaign.
This project-based course emphasizes written, visual, and oral communication of statistical results and conclusions. An introduction to statistical consulting is also provided. Additional topics may include introductions to statistical methodologies in industry and aspects of careers in statistics. Prerequisite: STAT 420. Restricted to Statistics Graduate Students until May 5, 2014. Some seats are reserved for incoming Statistics graduate students. If you receive a Reserved-Closed error, that means the course is full except for the reserved seats.

| 55666 | Lecture | S1U     | 03:00 PM - 03:50 PM | MWF  | G27 - Foreign Languages Building | Glosemeyer, D |

Credit Hours: 3 hours
Professional Statistics Skills
Restricted to Undergrad - Urbana-Champaign.
This project-based course emphasizes written, visual, and oral communication of statistical results and conclusions. An introduction to statistical consulting is also provided. Additional topics may include introductions to statistical methodologies in industry and