Course Inventory Change Request

Date Submitted: 08/27/15 1:50 pm

Viewing: **BIOL 3150: Biostatistics and the Scientific Method**

Last edit: 09/11/15 4:09 pm

Changes proposed by: D00286741

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**In Workflow**

1. LISC Chair
2. SC Admin
3. SC Dean
4. University Curriculum Committee Chair
5. Banner

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**Approval Path**

1. 08/27/15 1:52 pm
   - David Wade (dwade):
     - Approved for LISC Chair

2. 08/27/15 1:52 pm
   - David Wade (dwade):
     - Approved for SC Admin

3. 08/31/15 10:13 am
   - Eric Pedersen (pedersen):
     - Approved for SC Dean

4. 09/02/15 9:04 am
   - David Wade (dwade):

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Catalog Pages referencing this course

- Bachelor of Arts/Science in Integrated Studies - Biology Emphasis
- Bachelor of Arts/Science in Integrated Studies - Psychology Emphasis
- Bachelor of Science in Biology
- Bachelor of Science in Biology - Biological Sciences Emphasis
- Bachelor of Science in Biology - Biomedical Emphasis
- Biology
- Biology (BIOL)
- Mathematics
- Mathematics (MATH)
- Psychology
- Psychology (PSY)
- Social & Behavioral Sciences

Other Courses referencing this course

As A Banner Corequisite:

- BIOL 3155 : Biostatistics and the Scientific Method Lab

In The Catalog Description:

- BIOL 3110 : Scientific Writing
- BIOL 3155 : Biostatistics and the Scientific Method Lab
- BIOL 4260 : Herpetology
- BIOL 4270 : Ichthyology
- BIOL 4350 : Animal Behavior
- BIOL 4440 : General Entomology
- BIOL 4460 : Plant Ecology
- BIOL 4520 : Psychobiology
- BIOL 4525 : Psychobiology Lab
- MATH 1050 : College Algebra / Pre-Calculus
- PSY 4520 : Psychobiology
- PSY 4525 : Psychobiology Lab

As A Banner Prerequisite:

- BIOL 4260 : Herpetology
- BIOL 4270 : Ichthyology
- BIOL 4440 : General Entomology
- BIOL 4460 : Plant Ecology
- BIOL 4520 : Psychobiology
- PSY 4520 : Psychobiology
- PSY 4525 : Psychobiology Lab

Course Prefix:          BIOL                   Course Number:   3150
Effective Semester:    Spring 2016          Department:      Life Sciences (LISC)
School:                School of Science & Technology
Course Title:          Biostatistics and the Scientific Method
<table>
<thead>
<tr>
<th><strong>Short Course Title:</strong></th>
<th>Biostatistics &amp; the Sci Method</th>
</tr>
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<tbody>
<tr>
<td><strong>Credits:</strong></td>
<td>2</td>
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<td><strong>Workload Factors:</strong></td>
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<tr>
<td><strong>Primary Grade Type:</strong></td>
<td>Standard Letter</td>
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<tr>
<td><strong>Secondary Grade Type:</strong></td>
<td></td>
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<tr>
<td><strong>Instructor Permission Required:</strong></td>
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<td><strong>Repeatable for Credit:</strong></td>
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<td><strong>Schedule Type:</strong></td>
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<td><strong>Hrs/Wk:</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Catalog Prerequisites?</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Catalog Prerequisites:**
- MATH 1050, BIOL 3010, BIOL 3030 & BIOL 3040 (All grade C or higher).

**Grade Required on Prerequisite(s):**
- N/A

**Corequisites?**
- Yes

**Corequisite(s):**
- BIOL 3155.

**Course/Lab Fee?**
- No

**Instruction Index Code:**
- NAT201
**GE Status**  
Requested: No

**Catalog Description**  
Required of students pursuing a Bachelor of Science in Biology. Includes experimental design, methods of data collection, statistical concepts, probability, testing of hypotheses, graphing techniques, estimation, discrete and continuous distributions, chi-square tests, linear regression and correlation, analysis of variance, and parametric and nonparametric tests. Successful completers will be able to identify and apply the proper statistical test(s) in the analysis of given data sets.

**Course Rotation:**  
- Fall (every)
- Spring (every)

**Justification for course/change:**  
Removal of BIOL 3040 as pre-requisite reflects the new core program requirements.

**Library Resources Adequate:**  
Yes

**Tech Resources Adequate:**  
Yes

**Course Learning Outcomes:**

**Course Reviewer Comments**  
**D00286741 (08/27/15 1:48 pm):** Rollback: Please disregard this email. I need to reset course workflow. My apologies for inconvenience. David Wade  
**D00286741 (09/02/15 9:04 am):** Rollback: Course has not been through SCC, Ruth asked that it be rolled back.