Course Addition

1. Course Title: **Summer Independent Problems**
   Prefix & Num: **BIOL 4830**

2. Prerequisite(s): Minimum of two courses in biological sciences AND Instructor permission required: Yes
   Co-requisite(s):
   - *LEC: 0.00
   - *LBC w/ cr: 0.00
   - *LNC w/no cr: 0.00
   Credits: 0.00
   Clinical: 0.00  Practicum: 0.00  Independent Study: 1 - 4

3. Semester to be Implemented: **Summer, 2008**  Day ☒  Extended Day ☐  Grade type: **Regular**

4. Cost Code: **NAT 101**  Lab Fee: $0.00  Additional Fees: **variable**  Potential WLF: note

Explanation of Fees: Fees will be dependent on the type of project in which the students are involved. Curt Walker is doing summer independent study this summer with 4 students in Zion National Park. Travel monies may need to be covered as well as other items such as canyoneering equipment and disposable items. Other summer projects may not involve travel or much in the way of disposable items and would incur little, if any, additional fees.

5. Is this course designed for a specific group? **Yes**  Who? **Biology majors**

6. Catalog Description: ☐ Now in Print, or ☒ Proposed Below:
   Individual problems will be assigned to students on the basis of interest and previous preparation. Students will be expected to write a paper (using supporting scientific sources) related to the problem studied. Summer independent study may entail more time on the part of students and instructors as the research project(s) may involve distant travel and more rigorous collection of scientific data for analysis.

7. Course justification (attach sheets if needed):
   A separate course number is needed for summer independent study because the projects can be more time-consuming and rigorous than those assigned in the BIOL 4810 and BIOL 4820 during the regular semesters. Also, an increased workload factor is being sought for BIOL 4830 because there is much more time spent per student on the individual projects during the summer session. This is a different type of course where each student works on a different aspect of a problem and each student needs individualized guidance from the instructor. (Note: potential WLF is 2.22 - 8.88)

8. Are library resources adequate to support this change? **Yes**  If not, how are those resources to be acquired?

9. Are technical and other resources available? **Yes**  If not, how are those resources to be acquired?

10. Relationship to the curriculum: Would the course fill a G.E. requirement? **No**  If yes, which G.E. area?
    If it does not fill a G.E. requirement, would the course offer elective credit? **Yes**

11. Transferability of the course: List comparable courses at other colleges and universities:

<table>
<thead>
<tr>
<th>School</th>
<th>Elective</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prefix &amp; Num</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ ☒</td>
<td>☐</td>
<td>All 4-year schools offer Independent study courses. We are just seeking a separate number to designate the summer offering.</td>
<td>☐</td>
<td>☒</td>
<td>DSC</td>
</tr>
<tr>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>DSC</td>
</tr>
<tr>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>DSC</td>
</tr>
</tbody>
</table>

Approval Signatures:
Course Change Form

Date of Request: March 20, 2008
Page 2 of 2

Dean: [Signature]

Academic VP: [Signature]

Date: [Signature]

Date: [Signature]