BIO 147: Astrobiology

Course Title: Astrobiology
Abbreviated Course Title: Astrobiology
Course Subject: BIO
Course Number: 147
School Submitting Request: Natural Sciences
Division: Upper Division
Effective Term: Fall 2015
Discontinuance Term: Fall 2015
Lower Unit Limit: 4
Upper Unit Limit: 
Prerequisites: CORE 1 plus any of the following: BIO 1, BIO 5, PHYS 6, PHYS 8, CHEM 2, or ESS 1, or consent of instructor
Prerequisites with a Concurrent Option: 
Corequisites: 
Major Restrictions: 
Class Level Restrictions: 

Course Description: The study of the origin and evolution of life in the cosmos includes areas of biology, astronomy, geology, chemistry & physics. We will cover three main themes: how did life begin and evolve? does life exist elsewhere in the universe? and what is lifeâ€™s future on Earth and beyond?

TIE Code: T: Lecture plus Supplementary Activity
Reasons for Request: Discontinuance
BIO 047 replaces current upper level Astrobiology BIO-147 and ESS-147. BIO 047 as a lower level course will fulfill a GE science requirement for SSHA students, and an elective lower division science course for SNS and SOE students.

Brief Explanation of Change(s): Lecture: 3 contact, 6 non-contact
Lab: 0 contact, 0 non-contact
Seminar: 0 contact, 0 non-contact
Discussion: 1 contact, 2 non-contact
Tutorial: 0 contact, 0 non-contact
Field: 0 contact, 0 non-contact
Studio: 0 contact, 0 non-contact

Total Contact/Non-contact Hours Per Week: 

Total Hours Per Week: 12
Grading Options: Letter Grade Only
In Progress Grading: 
Maximum Enrollment: 100
Maximum Enrollment Reason: 
Cross-listing: ESS 147
Conjoined: 

1/2
<table>
<thead>
<tr>
<th>Cross-listed Schools</th>
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<tbody>
<tr>
<td>Can this course be repeated?</td>
<td>No</td>
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<td>How many times?</td>
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**Resource Requirements**

TA at appropriate percent time to lead discussion section. LCD projector.

**Does this satisfy a General Education Requirement?**

Yes

**Course Outline and/or Additional Documentation**

[ BIS ESS 147 Breugel Van Wil Spring 2008.pdf (43Kb) ]