COMMITTEE ON RULES & JURISDICTION
REPORT TO THE RIVERSIDE DIVISION
February 20, 2007

Proposed Changes in the College of Natural and Agricultural Sciences Regulation
NR3.5  Life Sciences Core Curriculum

To be adopted:

Present:

NR3.5.1  All students who are life sciences majors (Biochemistry, Biological Sciences, Biology, Biomedical Sciences, Botany and Plant Sciences, Conservation Biology, Entomology, Cell Biology and Neuroscience) will complete a uniform core curriculum prior to advancing to upper division courses not in the core and except as provided in NR3.5.7 and NR3.5.8. Specific courses which satisfy the core will be determined by the college Executive Committee.

NR3.5.2  Biology: 12 units. The Biology component of the core will consist of a one year introductory biology course sequences.

NR3.5.3  Chemistry: 24 units. The Chemistry component of the core will consist of a one-year course sequence in general Chemistry (12 units) and a one-year course sequence in organic chemistry (12 units).

NR3.5.4  Mathematics: 8 units. The Mathematics component of the core will consist of two courses in calculus.

Proposed:

NR3.5.1  All students who are life sciences majors (Biochemistry, Biological Sciences, Biology, Botany and Plant Sciences, Entomology, Cell Biology and Neuroscience) will complete a uniform core curriculum prior to advancing to upper division courses not in the core and except as provided in NR3.5.7 and NR3.5.8. Specific courses which satisfy the core will be determined by the college Executive Committee.

NR3.5.2  Biology: 12 units including laboratory. The Biology component of the core will consist of a one year introductory biology course sequences.

NR3.5.3  Chemistry: 27 units including laboratory. The Chemistry component of the core will consist of a one-year course sequence in general chemistry (at least 12 units including laboratory) and a one-year course sequence in organic chemistry (at least 12 units including laboratory).

NR3.5.4  Mathematics: 8 units. The Mathematics component of the core will consist of two courses in calculus.
NR3.5.5  Physics: 15 units. The Physics component of the core will consist of a one-year general physics course sequence, including laboratory.

NR3.5.6  Statistics: 2 units. The Statistics component of the core will consist of one course in statistics.

NR3.5.7  Biochemistry: 4 units. The Biochemistry component of the core will consist of at least one course in elementary or introductory biochemistry. This course may be taken concurrently with other upper division life sciences courses as long as they do not have Biochemistry as a prerequisite.

NR3.5.8  While the intention is that students will complete all of the core courses before proceeding to upper division courses in their major, a student may begin upper division courses while the core is still in progress. Up to 12 units of upper division life sciences courses not being used to satisfy the core may be taken prior to completion of the core; permission of an advisor is required to take upper division units in excess of these 12 units.

Justification: On March 21, 2006, the CNAS Executive Committee approved a course change for general chemistry. CHEM 001A, CHEM 001B, CHEM 001C will be split and the lecture and laboratory co-activities will be separated into two distinct courses which will be co- or prerequisites. The courses will now include an integrated discussion section. There will be three new lab courses effective Fall 2006, CHEM 01LA, CHEM 01LB and CHEM 01LC which increases the chemistry units to 27. Similar changes are being discussed for the Biology 5 series, and this language would accommodate such changes if they occur.

The Mathematics requirement may now be met by completing two courses in the calculus which are Math 9A and 9B (4 units each) OR Math 8B (5 units) and Math 9B (4 units). This language change is more inclusive of the new option.
Fall 2001 was the last year Conservation Biology accepted new students and is the last catalog year a student can use to graduate with a B.S. degree in the major. Students currently working toward the B.S. degree in Conservation will be allowed to complete the degree requirements but must graduate by Summer 2006. Therefore we are removing Conservation Biology from the list of life science majors.

Fall 2002 was the last year that an incoming student could apply into the Biomedical Sciences Undergraduate Major. Beginning with the students entering medical school in Fall 2006, students from any major can apply for one of the 24 seats in the medical school each year. Undergraduates who entered UCR either as freshmen or as transfer students may apply to the Haider Program. Therefore, we are removing Biomedical Sciences from the list of life sciences majors.

Effective Fall 2006

Approved by CNAS Executive Committee: April 4, 2006
Approved by CNAS Faculty: April 26, 2006
Revised: Approved by CNAS Executive Committee: October 3, 2006
The Committee on Rules and Jurisdiction finds the wording consistent with the bylaws of the Academic Senate: October 16, 2006
Approved by Committee on Educational Policy: November 1, 2006
Endorsed by the Advisory Committee: November 27, 2006