Biology 395/396 APPLICATION FORM—FALL 2016

Biology 395-Perspectives in Biology and Biology 396-Perspectives in Medicine are senior-seminar, integrative studies, capstone courses offered by the Biology Department; one of these courses is required of all students majoring in Biology or Biotechnology. The courses are intended for seniors completing their senior year, and seek to integrate students’ biology or biotechnology courses with their liberal arts courses, particularly history, religion and philosophy. To foster good discussions and provide guidance and evaluations in major course projects, class size must be limited. Because the demand for these courses exceeds our available faculty resources, students must apply for admission to register for either course. Preference will be given first to students majoring in Biology or Biotechnology. If additional space is available, other applicants with biology-related majors will be considered with further preference given to those who have a strong background in biology (e.g. number of 300-level biology courses, number of biology courses) and can demonstrate the relevance of the course for their vocational calling.

Instructions: Complete this form and return to Pat Buist in the Biology Department office (DH-100) by 5:00 p.m. on Monday, April 25. Applicants will be notified of their status by Tuesday at noon, April 26.

Applicant’s Name: ___________________________ E-mail: ________@students.calvin.edu

Applying for (Check one; you may apply for more than one, but if so, indicate 1st versus 2nd choice.)

_____ Bio. 395A, Perspectives in Biology, Tuesdays, 6:00 – 8:50 p.m.
_____ Bio. 396A, Perspectives in Medicine, Mon-Wed-Fri, 10:30 – 11:20 a.m.

Class: junior senior other: ___________________________ Degree pursuing: ___B.S. ___B.A.

Anticipated graduation date (month, year): _______________________________________________________

Major(s): ___________________________ Minor(s): ___________________________

Program (e.g. general, pre-med, pre-dent, pre-vet, pre-PA, pre-PT, etc): ___________________________

Career goal upon graduating from Calvin College & what you hope to be doing one year from now:

Identify the college courses in the following areas that you have completed (✓) or are currently taking (i.p = in progress):

a. Biology
   ___ Bio. 123, Living Systems         ___ Bio. 333, Immunology & Hematology
   ___ Bio. 141, Cells Biology & Genetics for the
      Health Sciences                  ___ Bio. 335, Cell Physiology
   ___ Bio. 205, Human Anatomy        ___ Bio. 336, General Microbiology
   ___ Bio. 206, Human Physiology     ___ Bio. 338, Animal Behavior
   ___ Bio. 207, Medical Microbiology ___ Bio. 341, Entomology
   ___ Bio. 224, Cellular & Genetic Systems ___ Bio. 344, Vertebrate Biology
   ___ Bio. 225, Ecological & Evolutionary Systems ___ Bio. 345, Ecosystem Ecology &
   ___ Bio. 250, Research Design & Methodology Management
   ___ Bio. 311, Field Botany          ___ Bio. 346, Plant Taxonomy
   ___ Bio. 313, Paleontology         ___ Bio. 364, Global Health, Environment &
   ___ Bio. 321, Genetics & Development Sustainability
   ___ Bio. 323, Comparative Anatomy  ___ Bio. 385, Internship in Biology
   ___ Bio. 325, Biotechnology         ___ Bio. 390, Independent Study
   ___ Bio. 331, Comparative Physiology ___ Bio. 398, Undergraduate Research
   ___ Bio. 332, Plant Physiology      ___ Other:______________________________
b. Chemistry
   Chem. 103, General Chemistry I
   Chem. 104, General Chemistry II
   Chem. 105, Chemical Principles
   Chem. 115, Chemistry for the Health Sciences
   Chem. 201, Analytical Chemistry
   Chem. 230, Essential Inorganic Chemistry
   Chem. 253, Fundamentals of Organic Chemistry
   Chem. 261, Organic Chemistry I
   Chem. 262, Organic Chemistry II
   Chem. 271, Environmental Chemistry
   Chem. 303, Fundamentals of Biochemistry
   Chem. 304, Physical Chemistry for the Biological Sciences
   Chem. 317, Physical Chemistry I
   Chem. 318, Physical Chemistry II
   Chem. 323, Biochemistry I
   Chem. 324, Biochemistry II
   Chem. 325, Advanced Organic Chemistry
   Chem. 329, Instrumental Methods for Chemical and Biological Sciences
   Chem. 330, Advanced Inorganic Chemistry
   Chem. 383, Laboratory in Biochemistry
   Chem. 385, Internship in Chemistry
   Chem. 390, Independent Study
   Chem. 395, Academic Year Research
   Chem. 397, Summer Research
   Other: ____________________________

c. Environmental Studies
   Env. St. 210, Human Impacts on the Environment
   Env. St. 302, Environment and Society
   Env. St. 395, History and Philosophy of Environmental Thought

d. Math
   Math 132, Calculus for Management, Life, and Social Sciences
   Math 143, Introduction to Probability & Statistics
   Math 145, Biostatistics
   Math 171, Calculus I
   Math 172, Calculus II
   Math 173, Calculus III
   Math 221, Linear Algebra
   Math 317, Advanced Calculus
   Math 327, Differential Equations
   Math 337, Probability
   Math 347, Statistics
   Math 357, Numerical Analysis
   Math 367, Operations Research

If you are not majoring in Biology or Biotechnology, why is Biology 395/396 important to you?

If you are not graduating before May 2017, why can’t you take this course the following semester in Spring 2017?