CLFS001  Life Science Assessment Test

Credits: 0  Grading Method: Regular, Pass-Fail, Audit

PL01  Paul Mazzocchi  Seats (Total: 50, Open: 50, Waitlist: 0)

Class time/details on ELMs  ONLINE

CLFS520  Concepts of Modern Chemistry

Credits: 3  Grading Method: Regular

Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student pursuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

Restricted to students in the CLFS program.

Click here for more course information.

PL01  Michelle Brooks  Seats (Total: 20, Open: 20, Waitlist: 0)

Meets August 29, 2016 - November 18, 2016

Class time/details on ELMs  ONLINE

CLFS608  Seminar in Current Topics in Chemical and Life Science; Scholarly Paper

(Perm req)  Credits: 1-3  Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.

Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS608A  Seminar in Current Topics in Chemical and Life Science; Independent Research

(Perm req)  Credits: 1-3  Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.
CLFS609A  Special Topics; Food Safety and GM Foods

Credits: 3  Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

<table>
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<tr>
<th>PL01</th>
<th>Lucinda Jack</th>
<th>Seats (Total: 30, Open: 30, Waitlist: 0)</th>
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<td>Meets August 29, 2016 - November 18, 2016</td>
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Restricted to students in the CLFS program.

CLFS610  Natural Products Chemistry

Credits: 3  Grading Method: Regular

Restriction: Permission of CMNS-Chemical & Life Sciences department. Credit only granted for: LFSC609D or LFSC610. Formerly: LFSC609D.

Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology.

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<tr>
<th>PL01</th>
<th>Bruce Jarvis</th>
<th>Seats (Total: 20, Open: 20, Waitlist: 0)</th>
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<td>Class time/details on ELMs ONLINE</td>
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CLFS620  Modern Molecular Genetics

Credits: 3  Grading Method: Regular, Audit

An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

Click here for more course information.
PL01  Paul Bottino  Seats (Total: 21, Open: 21, Waitlist: 0)

Meets August 29, 2016 - November 18, 2016

Class time/details on ELMs  ONLINE

Restricted to students in the CLFS program.

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CLFS665  Ecology and Global Change

Credits: 3  Grading Method: Regular, Audit

Credit only granted for: LFSC609C or LFSC665. Formerly: LFSC609C.

Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01  Marcia Shofner  Seats (Total: 22, Open: 22, Waitlist: 0)

Meets August 29, 2016 - November 18, 2016

Class time/details on ELMs  ONLINE

Restricted to students in the CLFS program.