FSCI - FOUNDATIONAL SCIENCES (FSCI)

FSCI 281 Oceans and One Health Sophomore Seminar
Credit 1. 1 Lecture Hour.
Science communications; including compilation and discussion of
current topics related to human, animal or environmental health issues
associated with coastal communities through weekly literature searches
and readings; emphasis on scientific communication with peers in both
oral and written forms.
Prerequisite: Sophomore classification or approval of instructor.

FSCI 285 Directed Studies
Credits 1 to 6, 1 to 6 Other Hours.
Directed studies and problems suited to analysis by individuals or small
groups concerning special aspects of the coastal environment and
human health.
Prerequisite: Approval of instructor.

FSCI 289 Special Topics in...
Credits 1 to 4, 1 to 4 Other Hours.
Study of selected topics in an identified area of foundational sciences.
May be taken for credit up to eight hours.
Prerequisite: Approval of instructor.

FSCI 334 One Health in Coastal Regions
Credits 3. 3 Lecture Hours.
Exploration of One Health issues and the human-animal-ecosystem
interface affecting populations in coastal regions; study of how
these topics can be applied to address regional and global health and
environmental challenges.
Prerequisite: BIOL 111.

FSCI 360 Biochemistry
Credits 4. 4 Lecture Hours.
Structure, function and reactivity of proteins, carbohydrates, lipids and
nucleic acids; role of pH in biochemical reactions; enzyme kinetics and
regulation; membrane structure and function; overview of the metabolic
pathways; carbohydrate metabolism; lipid metabolism; metabolism of
nitrogen containing compounds; nucleic acid synthesis.
Prerequisites: BIOL 111, BIOL 112, and CHEM 228; junior or senior
classification.

FSCI 428 Coastal Development and Human Health
Credits 3. 2 Lecture Hours. 2 Lab Hours.
Exploration of public environmental health issues associated with
urbanization in coastal areas; topics address population pressures on
coasts, infectious and chronic disease, the natural and built environment,
toxicology, sanitation, forms and media of pollution, and the application
of environmental health science to coastal zone management.
Prerequisites: CHEM 120 or equivalent; BIOL 112; junior or senior
classification or approval of instructor.

FSCI 485 Directed Studies
Credits 1 to 6, 1 to 6 Other Hours.
Directed studies and problems suited to analysis by individuals or small
groups concerning special aspects of the coastal environment and
human health.
Prerequisite: Approval of instructor.

FSCI 489 Special Topics in...
Credits 1 to 4, 1 to 4 Other Hours.
Study of selected topics in an identified area of foundational sciences.
May be taken for credit up to eight hours.
Prerequisite: Junior or senior classification or approval of instructor.

FSCI 491 Research
Credits 0 to 4. 0 to 4 Other Hours.
Research conducted under the direction of faculty member in
Foundational Sciences. Registration in multiple sections of this course
is possible within a given semester provided that the per semester credit
hour limit is not exceeded. May be taken for credit up to four hours.
Prerequisite: Junior or senior classification or approval of instructor.