

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Undergraduate Programs</b>	UUPC Approval <u>3-29-21</u> UFS Approval _____ Banner Posted _____ Catalog _____
	<b>Department</b> N/A  <b>College</b> Wilkes Honors College	<input type="checkbox"/> <b>New Program</b>  <input checked="" type="checkbox"/> <b>Change Program</b>
<b>Program Name</b> Concentration in Marine Biology		
<b>Please explain the requested change(s) and offer rationale below or on an attachment</b>  1) Move OCE 4006 Marine Science and OCB 4032/L Marine Biodiversity and Lab from Required courses to Electives. The move is necessary given the current cessation of the Semester by the Sea undergraduate program at Harbor Branch Oceanographic Institute (HBOI), causing several courses that were previously considered required courses for the concentration not being offered for the conceivable future. 2) Move BSC 4915 Honors Research in Biology to electives. 3) Change the elective credits from 15 to 23 (seven 3-credit courses with minimum two courses with a lab) 4) Replace previous BSC 4970 Honors Thesis in Biology (3 cr) and BSC 4915 Honors Research in Biology (3 cr) by IDS 4970 Honors Thesis (6 cr total). This is an approved change for all Honors College concentrations. 5) Add the following courses to the list of electives: BOT 4404/L Marine Botany with Lab (4 cr), BSC 4905 H DIS in Biology (1-3 cr), BSC 4930 Biology of Sea Turtles (3 cr), BSC 4930 H Florida Ecosystems (3 cr), CHM 2211/CHM 2205L H Organic Chemistry 2 with Lab, GLY 4054 H Evolution of Life on Earth (3 cr), MCB 3020/L H Microbiology with Lab (4 cr), OCB 4043/L Marine Biology (4 cr), PCB 3411 H Animal Behavior (3 cr), PCB 4723/L Comparative Animal Physiology with Lab (4 cr) 6) Remove BSC 4930 Marine Invertebrate Biology and Lab, BSC 4930 H Biogeography, and BCH 3033L H Biochemistry Lab from electives. 7) Add ZOO 3205/L Vertebrate Zoology with Lab as an alternative for ZOO 2303/L H Vertebrate Zoology with Lab  The total number of credits (69 cr) required for the concentration does not change.		
<b>Faculty Contact/Email/Phone</b>  Dr. Jon Moore jmoore@fau.edu 772-643-6868 (cell)	<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>	
<b>Approved by</b> Department Chair <u>Bill O'Brien</u> College Curriculum Chair <u>Carmen Canote Quesada</u> College Dean <u>Terje Hill</u> UUPC Chair <u>Jerry Haky</u> Undergraduate Studies Dean <u>Edward Pratt</u> UFS President _____ Provost _____	<b>Date</b> <u>2/19/21</u> <u>2/19/21</u> <u>2/19/21</u> <u>3-29-21</u> <u>3-29-21</u> _____ _____	

Email this form and attachments to [mjenning@fau.edu](mailto:mjenning@fau.edu) one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.



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## CONCENTRATION IN MARINE BIOLOGY



The Marine Biology Concentration allows students interested in marine biology to study through a joint program with FAU's Harbor Branch Oceanographic Institution (HBOI). Several of the classes are taught at the HBOI campus (<http://www.fau.edu/hboi>) in Ft. Pierce, FL.

Not every college can boast that it has an excellent academic curriculum, prestigious faculty, and access to some of the most beautiful beaches on the Florida coast. Wilkes Honors College can claim to all those assets, providing students with a chance of the natural environment that surrounds the campus. Life in the sea has been a subject of fascination for thousands of years. One of the most important reasons for the study of sea life is simply to understand the world in which we live. The oceans cover 71% (and rising) of this world, and yet we have only scratched the surface when it comes to understanding them. Scientists estimate that no more than 5% of the oceans have been explored.

### Advisory Board:

- Dr. Andia Chaves Fonnegra (<mailto:achavesfonnegra@fau.edu?subject=Marine%20Biology%20concentration>)
- Dr. Tracy Mincer (<mailto:tmincer@fau.edu?subject=>
- Dr. Jon Moore (<mailto:jmoore@fau.edu?subject=Marine%20Biology%20major>)
- Dr. Dennis Hanisak (HBOI) (<mailto:dhanisak@fau.edu?>

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subject=Marine%20Biology%20major)  
Dr. Susan Richardson (mailto:richards@fau.edu?  
subject=Marine%20Biology%20major)

## CONCENTRATION IN MARINE BIOLOGY

Course #	Course Name	Credits
BSC 1010, 1010L	Honors Biological Principles with Lab	4
BSC 1011, 1011L	Honors Biodiversity with Lab	4
CHM 2045, 2045L	Honors General Chemistry I with Lab	4
CHM 2046, 2046L	Honors General Chemistry II with Lab	4
MAC 2311	Honors Calculus I with Analytic Geometry	4
STA 2023	Honors Introductory Statistics	3
PHY 2048, 2048L	General Physics I with Lab	5
PCB 3063	Honors Genetics	4
OCB 3012, 3012L	Honors Marine Biology and Oceanography with Lab	4
OCE 4006	Marine Science (HBOI)	4
OCB 4032, 4032L	Marine Biodiversity and Lab (HBOI)	4
OCB 4633, 4633L	Marine Ecology and Lab (HBOI)	4
Elective Credits (See list below)		15 23
BSC 4915	Honors Research in Biology	3
<del>BSC 4970</del> IDS 4970	RI: Honors Thesis in <del>Biology</del>	7 6
Total Credits		69

→ Move to Electives

→ Move to Electives

Marine Science Electives are given below. Several of these are offered at FAU's Harbor Branch Oceanographic Institution (HBOI). (<http://www.fau.edu/hboi>) Other FAU marine science courses may be used only with the prior approval of the concentration advisor. Students are reminded that they need 45 credits of upper level courses to graduate.

## MARINE BIOLOGY ELECTIVES

Course #	Course Name	Credits
BCH 3033, <del>3033L</del>	Honors Biochemistry with Lab	<del>4</del> 3
OCE 2001	Honors Oceanography	3
BSC 4930	Aquaculture Principles & Practice (HBOI)	3
OCB 4525/L	Marine Microbiology and Molecular Biology and Lab (HBOI)	6
<del>BSC 4930</del>	<del>Marine Invertebrate Biology and Lab (HBOI)</del>	<del>4</del>
BSC 4930	Exploring the Ocean (HBOI)	3
<del>BSC 4930</del>	<del>Honors Biogeography</del>	<del>3</del>
BSC 4930	Honors Biology of Fishes and Lab	4
BSC 4930	Honors Experimental Design and Data Analysis	3
EVR 4420	Honors Marine Conservation	3
BSC 6936	Natural History Indian River Lagoon (HBOI)	3
BSC 4930	Honors History of Life	3
EVS 4414	Honors Conservation Biology	3
PCB 4673	Honors Evolution	3
ZOO 2303, 2303L	Honors Vertebrate Zoology with Lab	4/5
ZOO 4556	Honors Coral Reef Ecology	3
BSC 4930	Honors Topics in Environ Microbio	3
BSC 4930	Honors Molecular Ecology	3

Remove

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OR 200 3205/3205L

### ADD to Electives:

BSC 4905 H DIS in Biology  
(1-3 cr)

CHM 2211/CHM 2205L (4cr)  
H Organic Chem 2 + Lab

BSC 4930 Biology of Sea Turtles  
(3cr)

BSC 4930 H Florida Ecosystems  
(3cr)

GLY 4054 H Evolution of Life  
on Earth (3cr)

BOT 4404/L Marine Botany  
(4cr)

MCB 3020/L H Microbiology  
+ Lab (4cr)

PCB 3411 Hon Animal Behavior  
(3cr)

PCB 4723/L Comparative  
Animal Physiology (4cr)

OCB 4043/L Marine Biology  
(4cr)