

Course Offering Instructions:

Fill in information for the column that indicates the number of hours

Fill in information for the column that indicates the campus

Fill in information for the column that indicates the term the course is offered

Add Notes and Plans, if needed

Include information about the percentage of degree that can be completed in BRW or ED

Location of Course (Edinburg = ED; BRW = Brownsville; ONL = Online)
Term (FA, SP, SUM)

Hours

BRW

ED

ONL

DEGREE REQUIREMENTS**General Education Specific Courses**

MATH 1343- Introduction to Biostatistics (or MATH 1388 Honors)	3.00	FA, SP, SUM	FA, SP, SUM	SUM
CHEM 1311- General Chemistry I	3.00	FA, SP, SUM	FA, SP, SUM	FA, SP
CHEM 1312- General Chemistry II	3.00	FA, SP, SUM	FA, SP, SUM	
PHIL 1366- Philosophy and History of Science and Technology	3.00	FA, SP, SUM	FA, SP, SUM	
CHEM 1111- General Chemistry I Lab	1.00	FA, SP, SUM	FA, SP, SUM	
CHEM 1112- General Chemistry II Lab	1.00	FA, SP, SUM	FA, SP, SUM	

Major Course Requirements

BIOL 1406- General Biology I (or BIOL 1487 Honors)	4.00	FA,SP, SUM	FA,SP, SUM	
BIOL 1407- General Biology II (or BIOL 1488 Honors)	4.00	FA, SP, SUM	FA, SP, SUM	
MARS 2101- Principles of Marine Sciences	1.00	FA		
MARS 2310- Marine Processes and EcosystemsDynamics (or BIOL 2310)	3.00	FA		
MARS 3320- Marine Biogeochemistry (or BIOL 3320)	3.00	SP		
MARS 3430- Field Methods and Analysis in Marine Biology (or BIOL 3430)	4.00	FA		
BIOL 3413- Genetics	4.00	FA, SP, SUM	FA, SP, SUM	
BIOL 3301- Biological Evolution	3.00	FA, SP	FA, SP, SUM	FA, SP
BIOL 3409- Ecology	4.00	FA, SP	FA, SP, SUM	
MARS 4301- Marine Biology Seminar (Capstone)	3.00	SP		

Marine Biology Electives (21 hours if a 4-hour Math course is completed in the Support Courses or 22 hours if a 3-hour Math course is completed)*Choose from:*

BIOL 3414- Invertebrate Zoology	4.00	SP	FA	
BIOL 4388- Global Change Ecology	3.00	SP	FA,SP	

BIOL 4403- Introduction to Remote Sensing Technology	4.00		FA	
BIOL 4404- Ichthyology	4.00	FA, SP	FA	
GEOL 4411- Introduction to Geographic Information Systems	4.00	FA, SP	SP	
MARS 4199- Research Problems in Marine Biology(or BIOL 4199)	1.00	FA,SP,SUM	FA,SP,SUM	
MARS 4399- Research Problems in Marine Biology(or BIOL 4399)	3.00	FA,SP,SUM	FA,SP,SUM	
MARS 3416- Coral Reef Ecology(or BIOL 3416)	4.00	SUM		
MARS 4402- Marine Zoology(or BIOL 4402)	4.00	FA		
MARS 4410- Marine Botany (or BIOL 4410)	4.00	FA	FA	
MARS 4426- Marine Ecology (or BIOL 4426)	4.00	SP	SP	
MARS 4427- Marine Animal Field Studies (or BIOL 4427)	4.00	SUM		
MARS 4430- Coastal Ecology (or BIOL 4430)	4.00	FA		
MARS 4390- Marine Biology Internship	3.00	FA, SP, SUM	FA, SP, SUM	
MARS 3350- General Aquaculture	3.00			SP
MARS 4333- Marine Conservation, Policy & Management	3.00			SP
MARS 4170- Topics in Marine Biology	1.00	FA,SP		
MARS 4370- Topics in Marine Biology	3.00	FA,SP		
MARS 4470- Topics in Marine Biology	4.00	FA,SP		
Biology Electives				
<i>Choose 4 hrs of advanced Biology</i>	4.00	FA, SP, SUM	FA, SP, SUM	FA, SP, SUM
Support Courses				
CHEM 2323 Organic Chemistry I	3.00	FA, SP, SUM	FA, SP, SUM	
CHEM 2123 Organic Chemistry I Lab	1.00	FA, SP, SUM	FA, SP, SUM	
CHEM 2325 Organic Chemistry II	3.00	FA, SP, SUM	FA, SP, SUM	
CHEM 2125 Organic Chemistry II Lab	1.00	FA, SP, SUM	FA, SP, SUM	
PHYS 1401 General Physics I	4.00	FA, SP, SUM	FA, SP, SUM	
ENVR 3405 Oceanography	4.00	FA	SP	
<i>Choose one:</i>				
MATH 1314 College Algebra	3.00	FA, SP, SUM	FA, SP, SUM	
MATH 1414 College Algebra	4.00	FA, SP, SUM	FA, SP, SUM	
MATH 2412 PreCalculus	4.00	FA, SP, SUM	FA, SP, SUM	
MATH 2413 Calculus I (or MATH 2487 Honors)	4.00	FA, SP, SUM	FA, SP, SUM	
Percent of Degree can be completed in ED (incl. ONL and ITV) %	85			
Percent of Degree can be completed in BRW (incl. ONL and ITV) %	100			

NOTES and PLANS - If course is offered at both campuses please color-code it **GREEN**. If it is not offered at both campuses, please color-code it **YELLOW** and add a note for addressing deficiency.

Prerequisites: College ready TSI status in Mathematics.

Prerequisites: MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 1388, MATH 2412, MATH 2413, or MATH 2487 with a grade of "C" or higher."

Prerequisites: CHEM 1311

This course is offered by the College of Liberal Arts.

Prerequisites: Credit/registration in CHEM 1311.

Prerequisites: Credit/registration in CHEM 1312.

Also counted in the General Education Core

Also counted in the General Education Core Prerequisites: BIOL 1406 or BIOL 1487.

Offered at the Brownsville campus once every academic year

Offered at the Brownsville campus once every academic year. Prerequisites: BIOL 1407 (or BIOL 1488).

Offered at the Brownsville campus once every academic year. Prerequisites: MARS 2310/BIOL 2310, CHEM 1311 and CHEM 1111

Offered in the FA at the Coastal Studies Lab in South Padre Island. Prerequisites: BIOL 3409

Prerequisites: BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1312, and CHEM 1112.

Prerequisites: BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or instructor permission.

Prerequisites: 9 hrs of Biology, including BIOL 1407 (or 1488)

Offered at the Brownsville campus once every academic year. Prerequisites: Senior standing and 24 hours of Biology. Credit in MARS 2101.

Prerequisites: 6 hrs of Biology and Junior standing.

BRW campus offering dependent on faculty availability. Prerequisites: BIOL 3409 or instructor permission.

Offered at the ED campus once an academic year. Prerequisites: Instructor permission.

BRW campus offering dependent on faculty availability. As scheduled. Prerequisites: 9hrs of Biology

Prerequisites: Instructor permission

Prerequisites: Instructor permission

Study Abroad Course.

Course is suited to BRW for field trips to the South Padre Island campus.

Prerequisites: 9 hrs of Biology, including BIOL 1407 (or BIOL 1487)

Prerequisites: BIOL 3409

Course is suited to BRW for field trips to the Gulf of Mexico, Port Isabel, and South Padre Island.

Prerequisites: BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), and also either BIOL 3409, BIOL 3414, or BIOL 4402.

Prerequisite: Instructor permission

Prerequisites: Junior or Senior standing.

Prerequisites: BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488).

Prerequisites: BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488).

Prerequisites: BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488).

Courses offered by the Biology department.

This course is offered by the department of Chemistry.

Prerequisites: Credit/ Registration in CHEM 2323

Prerequisites: CHEM 2323

Prerequisites: Credit/ Registration in CHEM 2325

Prerequisites: MATH 1414, MATH 1314, MATH 2412, or MATH 2413

Prerequisites: MARS 2310

This course is offered by the School of Mathematics & Statistical Sciences

This course is offered by the School of Mathematics & Statistical Sciences

This course is offered by the School of Mathematics & Statistical Sciences

This course is offered by the School of Mathematics & Statistical Sciences