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## Aquatic and Coastal Sciences (AQUA)

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## AQUATIC AND COSTAL SCIENCES

	Course Description	This course allows MA students to explore areas in Applied Linguistics that are not covered in the normal course offerings. May be repeated for a maximum of 6.0 credits.
APLN596	Title	Independent Study.
	Prerequisites	Departmental approval. Restricted to MA students in Applied Linguistics (APLN) only.
	Course Description	This course allows MA students to explore areas in Applied Linguistics that are not covered in the normal course offerings. May be repeated for a maximum of 6.0 credits.
APLN605	Title	Research Questions in Applied Linguistics.
	Prerequisites	All other required courses for the MA degree in Applied Linguistics. Restricted to MA students in Applied Linguistics (APLN) only.
	Course Description	Research on an approved topic or on an approved reading list in Applied Linguistics. For this requirement, students write a paper based on a research topic that they choose or write a response to a research topic provided to them based on readings that they choose. The papers and/or responses will be read and approved by three faculty members. For this final research requirement, students give an oral presentation at a Linguistics Department colloquium. A grade of In Progress (IP) will be used until the research is completed; may be repeated two times.
APLN610	Title	Seminar for Thesis Students in Applied Linguistics.
	Prerequisites	Departmental approval.
	Number and type of credits	3 hours seminar.
	Course Description	A seminar for the M.A. student who is completing a thesis. This seminar is designed to facilitate the writing of the thesis by providing students with an opportunity to discuss their work with a faculty facilitator and other M.A. students. This course will be taken after the other core courses have been completed and a thesis topic has been approved.
AQUA199	Title	Freshman Seminar in Aquatic and Coastal Sciences.
	Special Fee	Special fee.
	Number and type of credits	1 hour lecture.
AQUA199	Course Description	An experience for entering students that will help them to succeed as Coastal

		and Aquatic Sciences majors by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002 - New Student Seminar.
AQUA351	Title	Aquatic Biological Processes.
	Prerequisites	BIOL 113, CHEM 120, CHEM 121.
	Special Fee	Special fee.
	Number and type of credits	3 hours lecture, 3 hours lab.
	Course Description	Aquatic Biological Processes is a course that introduces students to the fundamental biological systems associated with marine and fresh water communities and serves as the foundation aquatic biological course for the BS/MS program in Aquatic and Coastal Sciences.
AQUA490	Title	Senior Seminar.
	Prerequisites	AQUA 351, AQUA 495, EAES 230, EAES 322.
	Number and type of credits	3 hours lecture.
	Course Description	This seminar is a required course for the curriculum in the BS/MS Coastal and Aquatic Sciences program and fulfills the Graduation Writing Requirement. Students participate in active discussion regarding current research topics in the field and are required to present the result of their research activities or planned research for their Master's Thesis. Meets the University Writing Requirement for majors in Aquatic and Coastal Sciences.
AQUA495	Title	Research in Aquatic and Coastal Sciences.
	Prerequisites	AQUA 351, EAES 230, EAES 322.
	Course Description	This course is designed to provide students in the Aquatic and Coastal Sciences BS/MS program with a research-oriented internship utilizing one of the Montclair State University's off-campus research facilities including the School of Conservation, Passaic River Institute, or the Sandy Hook Marine Science Consortium facility.
AQUA515	Title	Graduate Research Seminar.
	Prerequisites	AQUA 351, AQUA 490, EAES 230, EAES 322.
	Number and type of credits	1 hour seminar.
	Course Description	This seminar is a required course for the graduate curriculum in the BS/MS Coastal and Aquatic Sciences program. Students participate in active discussion regarding current research topics in the field and are required to present their current research activities or planned research for their

AQUA551	Title	Master's Thesis.
	Prerequisites	Advanced Aquatic Biological Processes.
	Number and type of credits	AQUA 351, EAES 230, EAES 322 or departmental approval.
	Course Description	3 hours lecture.
		Advanced Aquatic Biological Processes is a graduate course which builds upon the fundamental biological systems associated with marine and fresh water communities and serves as the culminating core aquatic biological course for the BS/MS program in Aquatic and Coastal Sciences.
AQUA599	Title	Graduate Research in Aquatic and Coastal Sciences.
	Prerequisites	Program Director/Thesis advisor approval.
	Course Description	A research experience in which students will conduct independent research approved by their graduate advisor leading to the collection of data for the completion of their Master's Thesis. Students will be exposed to current aquatic and coastal techniques by working with scientific investigators in industry or within the department. Students will work on projects involving research techniques, data collection and the analysis and interpretation of the data.
AQUA698	Title	Master's Thesis.
	Prerequisites	Program Director/Thesis advisor approval.
	Course Description	Independent research project done under faculty advisement. Students must
AQUA698	Course Description	follow the MSU Thesis Guidelines, which may be obtained from the Graduate School. Students should take AQUA 699 if they don't complete AQUA 698 within the semester.
AQUA699	Title	Master's Thesis Extension.
	Prerequisites	Program Director/Thesis advisor approval.
	Course Description	Continuation of Master's Thesis Project. Thesis Extension will be graded as IP (in Progress) until thesis is completed, at which time a grade of Pass or Fail will be given.
ARAB101	Title	Beginning Arabic I.
	Special Fee	Special fee.
	Number and type of credits	3 hours lecture.
	Course Description	A basic introduction to the Arabic language with emphasis on speaking,