U.S. Department
of Transportation
Maritime
Administration

U.S. Merchant
Marine Academy

June 5, 2012

To: Midshipmen, Classes 2013, 2014 A split, 2015 A split

Subj: Registration First Term AY 2012-2013

I. You have been registered for the First Term AY 2012-2013 according to your class and curriculum. The schedules are available on the Academy web site, WWW.USMMA.EDU.

II. Second Class Logistics and Second Class Systems need to register for an elective. First Class Systems need to register for a MES option.

Second Class Logistics, Second Class Systems (Choose 1)

DL499	Liner Shipping	M6, W6, Th6	Guan
DN241	Advanced Tankers	W6&7, F6	Duschenchuk
DN300	Fast Rescue Boat	M6, Th6	Ryan/Nichols
This class is only 1.5 credits.			
HL300	Intro to Conversational Spanish	M6, W6, Th6	Rogin-Peters
HP300	Ethics Lit	M6, W6, Th6	Bonadonna
MC370	Intro to Ocean	W6, Th6, F6	TBA
MM360	Advanced Engineering Math	M6, T6, Th6	Weber
MP325	Atomic Physics	T6, Th6, F6&7	Hogan

First Class Systems MES Options (Choose1)

EE403	Power Electronics	M6, T6, Th6	Colef
EM455	Ocean Engineering	T6, W6, Th6	Santamauro
ES420	Intro Nuclear Physics & Engineering	M6, T6, W6&7, Th6	Doumas/Palmer

You may register for these elective courses on the Intranet from Sunday, July 22nd until Monday, July 23rd.

Electives begin on Tuesday, July 24th as scheduled.

Beginning Tuesday, July 24th registration for elective courses will be by paper add/drop forms available in the Registrar's Office.

THE ADD/DROP PERIOD ENDS AT 1600 ON TUESDAY, JULY 31st. THERE WILL BE NO REGISTRATION OR CHANGES IN REGISTRATION AFTER THAT DATE.

III. First Class Logistics, First Class Engine, First Class Systems (A split), First Class Shipyard Management (A split), First Class Ship's Officer, Second Class Logistics, and Second Class Marine Transportation need to take **PE electives**.

You may register for these on the Intranet from Sunday, July 22nd until Wednesday, July 25th. For further information contact Prof. Smolens of the PE Department.

IV. Second Class Engine and Systems majors must register for a Topics in History and Literature course in the Crabtree room on Monday, July 23rd between 0900-1100.

V. SCHEDULE CHANGES

For a variety of reasons you might be following a different program from that specified in your year and curriculum group. If you feel that you need to be registered for different or additional courses (including courses that you have failed) or if you have no schedule at all or less than twelve credits please report to the **Crabtree Room on the 2nd deck of the Library on Monday, July 23rd between the hours of 0900-1100.** There will be representatives from the Dean's Office, the Registrar's Office, and the academic departments to advise you and to assist you in making changes.

DO NOT GO TO THE DEAN'S OFFICE OR THE REGISTRAR'S OFFICE ON MONDAY, JULY 23rd CONCERNING SCHEDULING ISSUES. REPORT TO THE CRABTREE ROOM IN THE LIBRARY.

Failure to comply with these instructions will result in disciplinary action.
Students who do not attempt to resolve their scheduling issues on Monday, July 23rd in the Crabtree room will be reported to the Commandant's Office.

cc: Academic Dean
Department Heads

Course Descriptions

DL499 Liner Shipping
This is an elective course in container liner shipping. It provides a systematic analysis of the liner industry. Topics include: globalization and container trade, liner shipping economics, industry market structure, fleet composition and deployment, container logistics system and operations, industry competition and cooperation, liner costing and pricing, container ports, fleet capacity and demand, and government regulations. Current issues and future challenges are also discussed.

ES420 Introduction to Nuclear Physics and Engineering
In the Nuclear Physics portion: nuclear structure, radioactivity and reactions; particle accelerators; binding energy; fission and fusion; scattering and attenuations of radiation; nuclear instrumentation;
radiation safety. In the Nuclear Engineering portion: nuclear reactor components; reactivity effects and the fission process in reactors; reactor dynamics; neutron characteristics; neutron life cycle; delayed neutrons; macroscopic cross sections and mean free path; diffusion length and multiplication factors in reactors; production and loss rate formulas and reactor startup calculations.

HC446 Literature and Film
Which is better, the book or the film? Why, for example, was the entire beginning of *The Bourne Identity* re-written for the film, and how does the re-write affect our final judgment of the characters and the "total experience" of the work?
After a brief study of the language of fiction and the specific vocabulary of film (i.e., shots, acting, special effects, dialogue, storyboarding, editing, etc.), we'll focus on portions of 4-5 works, combining close-up sections of chapters from the text and the corresponding film versions . Works studied will include *The Shawshank Redemption*, *The Bourne Identity*, *Pride and Prejudice, To Kill a Mockingbird,* and, if time permits a Shakespeare play, either *Hamlet, A Midsummer Night's Dream,* or *Twelfth Night*. The grade for the course will be based on quizzes (30%), a group presentation (25%), a 5-6 page paper (25%), and a final exam (20%).

MC370 Introduction to Oceanography
Introduction to the history of oceanography: earth structure and plate tectonics; ocean topography; sediments; seawater chemistry and ocean physics: atmospheric and ocean circulation: wave dynamics and tides; the marine ecosystem; productivity and marine animals; marine resources and environmental concerns.

MM360 Advanced Engineering Math
The divergence and curl; line and surface integral; Green's Theorem; the integral theorems of Gauss and Stokes; analytic functions; Laplace's Equation; conformal mapping; complex integration; Cauchy Integral Theorem and Formula; applications to fluid dynamics.

MP325 Atomic Physics
Modern concepts of the structure and properties of atoms; atomic nature of matter; quantum theory of light; theory of relativity; quantum mechanics; the Hydrogen atom; introduction to molecular structure.

Course descriptions can also be found in the Academy catalog.