

DECK LABS (DL) SOLANO CAMPUS

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DL Courses

DL 1100 Small Craft Operations (1 unit)

Term Typically Offered: SP

Prerequisite: DL 105 or DL 1105; DL 105L or DL 1105L; and one of the following: PE 101, PE 1101, PE 102, PE 1102 or swimming assessment test.

Instruction in small boat/motor lifeboat operation. Practical training in small boat handling, with emphasis on maneuvering characteristics, relative motion, and small engine operation. Develop and practice their leadership skills by acting as the boat operator/coxswain. As such, the acting boat operator/coxswain will be in charge of organizing the vessel crew into a functioning team able to carry out all aspects of small boat operations, from tying up and letting go to emergency procedures. 1 laboratory. Formerly DL 100 at Cal Maritime.

DL 1105 Marine Survival (1 unit)

Term Typically Offered: F, SP

Prerequisite: One of the following: PE 101, PE 1101, PE 102, or PE 1102. Concurrent: DL 105L or DL 1105L; and DL 105X or DL 1105X.

Preparation for the U.S. Coast Guard Lifeboatman's Endorsement. Conforms to the STCW Requirements for personal survival training as well as components of the social responsibility requirement. Preparation, embarkation, and launching of survival craft and familiarity with the correct use of all survival equipment, as well as the proper actions to take to preserve the lives of those in their charge. 1 lecture. Formerly DL 105 at Cal Maritime.

DL 1105L Marine Survival Laboratory (1 unit)

Term Typically Offered: F, SP

CR/NC

Prerequisite: One of the following: PE 101, PE 1101, PE 102, or PE 1102. Concurrent: DL 105 or DL 1105; and DL 105X or DL 1105X.

Hands-on training in basic personal and group survival techniques. Combination of multiple pool sessions and actual operation of survival craft, required for the practical section of the U.S. Coast Guard Lifeboatman's Endorsement. Conforms to STCW requirements for personal survival training as well as components of the social responsibility requirement. Credit/No Credit grading only. 1 laboratory. Formerly DL 105L at Cal Maritime.

DL 1105X United States Coast Guard Lifeboatman's Exam (0 units)

Term Typically Offered: F, SP

CR/NC

Corequisite: DL 105 or DL 1105; and DL 105L or 1105L.

Exam for Lifeboat Endorsement on Merchant Mariner's Document. Credit/No Credit grading only. Formerly DL 105X at Cal Maritime.

DL 1110 Ship Operations I (1 unit)

Term Typically Offered: SP

CR/NC

Prerequisite: NAU 109 or NAU 1109. Corequisite: DL 115 and DL 1115.

Introduction to day-to-day shipboard operational and maintenance routines under supervision from upperclass cadets and ship's officers. Structural maintenance, cleaning, lubrication, and various other work projects expected of the ordinary seaman. Instructed on power and specialty tools, safe work practices, and HAZMAT/pollution procedures. Credit/No Credit grading only. 1 laboratory. Formerly DL 110 at Cal Maritime.

DL 1115 Marlinspike (1 unit)

Term Typically Offered: F

Marlinspike seamanship, rope work, knots and splices, rigging and unrigging a bosun's chair, mooring equipment and safety. 1 laboratory. Formerly DL 115 at Cal Maritime.

DL 1120 Cargo Operations (1 unit)

Term Typically Offered: SP

Practical instruction in various types of cargo handling equipment and rigs. Theoretical stress evaluation and cargo gear maintenance, cargo lifting, and securing arrangements. Practice on cargo rig models, the Academy's ship, and boat rigs, as well as taking field trips to observe local cargo handling facilities. Forklift training and safety certification are course requirements. Field trip required. 1 laboratory. Formerly DL 120 at Cal Maritime.

DL 2225 Radar/Arpa (2 units)

Term Typically Offered: F, SP

Prerequisite: Sophomore standing; MTH 100 or MTH 1100; and NAU 102 or NAU 1102. Concurrent: DL 225 or DL 2225. Corequisite: NAU 102L or NAU 102L; and NAU 230 or NAU 2230.

Comprehensive STCW course emphasizing an elementary understanding of radar/ARPA theory, factors affecting performance and accuracy, and the limitations of contact detection. Satisfactory completion of this course is a requirement for the issuance of a USCG Third Mate's License. 2 lectures.

DL 2225L RADAR/ARPA Laboratory (2 units)

Term Typically Offered: F, SP

CR/NC

Radio detection and ranging (RADAR) and automatic radar plotting aid laboratory. Credit/No Credit grading only. 2 laboratories. Concurrent DL 225 or DL 2225. Formerly DL 225 at Cal Maritime.

DL 2240 Global Maritime Distress Safety System (GMDSS) (2 units)

Term Typically Offered: SP

Prerequisite: MTH 100 or MTH 1100; PHY 100 or PHY 1100; and PHY 100L or PHY 1100L. Concurrent: DL 240L or DL 2240L.

Comprehensive STCW compliant course designed to explore use of marine VHF radio, the Maritime Mobile Service and the Maritime Mobile Satellite Service. Equipment compliance, electronic communications systems, calling procedures, distress alerting techniques, and marine safety information. FCC licensing for Marine Radio Operator Permit and GMDSS Operator's License. 2 lectures. Formerly DL 2240 at Cal Maritime.

DL 2240L Global Maritime Distress Safety System (GMDSS) Laboratory (1 unit)

Term Typically Offered: SP

Prerequisite: MTH 100 or MTH 1100; PHY 100 or PHY 1100; and PHY 100L or PHY 1100L. Concurrent: DL 240 or DL 2240.

Comprehensive STCW compliant lab with hands-on experience using equipment in the Maritime Mobile Service and the Maritime Mobile Satellite Service. 24-hour communications watch required. 1 laboratory. Formerly DL 240L at Cal Maritime.

DL 3301 Navigation Piloting Laboratory (1 unit)

Term Typically Offered: F, SP

Prerequisite: CRU 200 or CRU 2200. Concurrent: NAU 302 or NAU 3302; and NAU 302L or NAU 3302L.

Practical instruction in terrestrial and electronic navigational techniques aboard academy power-driven vessels while underway in San Francisco Bay in actual piloting situations. Voyage planning and navigation accuracy cross-checking are emphasized in real-time transit. 1 laboratory. Formerly DL 301 at Cal Maritime.

DL 3305 Tug and Barge (1 unit)

Term Typically Offered: F, SP

Prerequisite: CRU 200 or CRU 2200; DL 100 or DL 1100; DL 240 or DL 2240 DL 225 or DL 2225; NAU 120 or NAU 1120; and NAU 230 or NAU 2230.

Introduces the specific operations required of towing and pushing vessels. Supervised use of the Academy's tug and barge in specific towing operations. 1 laboratory. Formerly DL 305 at Cal Maritime.

DL 3310 Marine Supervisory Laboratory (1 unit)

Term Typically Offered: F

Prerequisite: CRU 200 or CRU 2200; DL 110 or DL 1110; DL 115 or DL 1115; and NAU 109 or NAU 1109.

Introduction into the supervisory skills required of first-level managers through supervising and directing groups of persons to competently accomplish individual work projects. Job planning, resource allocation, labor relations and personnel safety assurance are the primary objectives of the course. 1 laboratory. Formerly DL 310 at Cal Maritime.

DL 3311 Marine Management Laboratory (1 unit)

Term Typically Offered: SP

Prerequisite: CRU 200 or CRU 2200; DL 110 or DL 1110; DL 115 or DL 1115; DL 310 or DL 3310; and NAU 109 or NAU 1109.

Continuation of Marine Supervisory Lab with emphasis on comprehensive project management. Topics include labor relations, resource allocation, safety, weather, and regulatory compliance. Project organization, pre-planning, implementation, and material acquisition in preparation of vessels for cruise departure, with accountability central to project completion. 1 laboratory. Formerly DL 311 at Cal Maritime.

DL 3320 Introduction to Bridge Simulator (2 units)

Term Typically Offered: SP

CR/NC

Prerequisite: One of the following: CRU 200L, CRU 2200L, CRU 225L or CRU 2225L. Corequisite: DL 240 or DL 2240; and DL 240L or DL 2240L.

Introduction to California Maritime's bridge simulator. Instruction on standardized watchstanding methodology, practices, and task priorities. Credit/No Credit grading only. 2 lectures. Formerly DL 320 at Cal Maritime.

DL 3335 Integrated Bridge - Engine Room Watch Management (1 unit)

Term Typically Offered: TBD

CR/NC

Prerequisite: CRU 200 or CRU 2200.

Platform to gain experience in handling complex situations involving the engine plant and how they affect vessel operation as a whole. Work with multiple vessels. Flexible course for MT majors. Runs concurrently with various sessions of Watch Team Management for MET and ME License cadets. Repeatable up to 2 units. Credit/No Credit grading only. 1 laboratory. Formerly DL 335 at Cal Maritime.

DL 3390 Independent Study (1-3 units)

Term Typically Offered: F, SP, SU

CR/NC

Prerequisite: Consent of the department.

Substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. Arrangement with an Academy faculty member to be the Independent Study Advisor. Approved Application for Independent Study must be on file. Formerly DL 390 at Cal Maritime.

DL 3395 Special Topics (1-3 units)

Term Typically Offered: TBD

Prerequisite: Consent of instructor.

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities, the expertise of visiting faculty, or off-campus educational programs may afford a unique and worthwhile learning experience. 1 to 3 lectures. Formerl DL 395 at Cal Maritime.

DL 4405 Shipboard Medical (1 unit)

Term Typically Offered: F, SP

Prerequisite: Senior Standing. Concurrent: DL 405L or DL 4405L.

Practical application of the principles of Advanced First Aid. Diagnosis and treatment of traumatic injuries, cardio-pulmonary resuscitation, shipboard sanitation, including certificates necessary for licensing and for Level 3 STCW. 1 lecture. Formerly DL 405 at Cal Maritime.

DL 4405L Shipboard Medical Laboratory (1 unit)

Term Typically Offered: F, SP

Prerequisite: Senior Standing. Concurrent: DL 405L or DL 4405.

Shipboard Medical Laboratory. 1 laboratory. Formerly DL 405L at Cal Maritime.

DL 4410 Ship Handling (1 unit)

Term Typically Offered: F, SP

Prerequisite: CRU 200 or CRU 2200; CRU 200L or CRU 2200L; and DL 100 or DL 1100.

Practical experience in shiphandling with vessels large enough to gain an appreciation for ship-handling problems encountered with much larger vessels. Exercises in "soft" landings, emergency procedures, mooring techniques and line handling, and collision avoidance. 1 laboratory. Formerly DL 410 at Cal Maritime.

DL 4420 Watchstanding Simulation (2 units)

Term Typically Offered: F

CR/NC

Prerequisite: CRU 300 or CRU 3300; DL 240 or DL 2240; and DL 240L or 2240L.

Full mission bridge watchstanding simulator designed as a capstone course for senior students. Assess basic watchstanding skills at the STCW 95 OICNW level. Credit/No Credit grading only. 2 lectures. Formerly DL 420 at Cal Maritime.