CAL MARITIME

ANNUAL PROGRAM REPORT

Academic Program	Marine Transportation
Reporting for Academic Year	2015-2016
Department Chair	Steve Browne
Date Submitted ***Forms are submitted in fall term following the academic year under review**	October 2016

1. SELF-STUDY (Approx. 500 words)

Please present any planning goals from the last comprehensive Program Review, and report on progress toward achieving these goals.

The last department program review was completed in the spring of 2011. The 2011 program review included the following specific recommendations, with current status in brackets:

- TSGB Program for Juniors: The MT department should develop a cruise program for juniors on the TSGB. [Completed.]
- One Cruise Scenario: The MT department should, in the next 2-3 years develop a cruise plan that would accommodate all of its 1/C and 3/C on a single cruise. [Completed.]
- The department should conduct an internal review of its navigation subject components and sequence to determine a more synergistic connection between all navigation courses. [Examined, but not supported by the majority of the department at this time.]
- MT should, in cooperation with Admissions, design a plan to accept returning veterans into the MT program and examine how their military training experience can substitute for academic credit. [Examined, but should be revisited. Currently, three department faculty serve as Curriculum Evaluators for military courses with the American Council on Education.]
- The MT department should produce a quick reference book of advising guidelines and information resources sufficient that new faculty could quickly understand the role of advisor and how to give proper academic advice for both the major and minors. [Completed, but needs to be revised.]
- Explore with Academic Affairs on potential ways to assist the department with more convenient clerical support. [Completed.]
- Submit a lab fee proposal to the Fee Committee to institute a small lab fee for DL-105 Marine Survival. [Not approved.]
- The department should complete its formation of a formal internal assessment review

program. [Completed. Assessment is in progress.]
- Conduct a thorough statistical analysis of license data now that it has been obtained to review performance and identify trends. [The data have been gathered. The analysis needs to be conducted.]
- Discuss further the department's position whether or not to continue requiring License Seminar as a graduation requirement. [Completed. The department decided to continue to require the course.]
- The department should design a formal post-graduation alumni survey program to gather important feedback from graduates. [Still outstanding.]

B. Program Changes and Needs

The curriculum has been updated to designate the following courses as STCW courses:
- DL 109 Industrial Equipment and Safety
- DL 111 Ship Operations II
- DL 120 Cargo Operations

The curriculum has been updated to remove the STCW designation from the following courses:
- DL 100 Small Craft
- DL 301 Navigation Piloting Lab
- NAU 104 VPDSD
- NAU 108 Operational Command at Sea (Changed to Course in Major)
- NAU 120 Marine Engineering (Changed to Course in Major)
- NAU 202 Celestial Navigation
- NAU 202L Celestial Navigation Lab
- NAU 302 Advanced Navigation
- NAU 302L Advanced Navigation Lab
- NAU 320 Tank Vessel Operations

2. **SUMMARY OF ASSESSMENT** (Approx 500 words)

A. Program Student Learning Outcomes

DLO1- Graduates will complete all STCW competencies, pass all USCG licensing examinations, and demonstrate practical application of the skills required for these achievements.

DLO2- Graduates will demonstrate expertise in the concepts, policy, and technologies of the maritime transportation field both at sea and on land.

DLO3- Graduates will apply current nautical theory to emerging technologies, systems, and structures, and demonstrate a commitment to continuous improvement and lifelong learning in the maritime industry or otherwise.

DLO4- Graduates will demonstrate the ability to work effectively in professional teams as an influential member or leader, set achievable goals, and accomplish them with quality and timeliness.

DLO5- Graduates will demonstrate effective communication skills and the ability to put together compelling arguments in technical environments through speaking, writing, and presenting.

DLO6- Graduates will develop a respect for professional, ethical, and social responsibilities and identify current national and global impacts of the maritime industry.

DLO7- Graduates will demonstrate the ability to analyze projects, objectively evaluate numerical data, and understand the role of personal and environmental safety in the workplace.

B. Program Student Learning Outcome(s) Assessed

The department assessment program was revised in the Summer of 2016. The following Program SLOs are being assessed during AY 2016-17:
- DLO1
- DL03

C. Summary of Assessment Process

DLO1

Status of four-year cycle:
DLO1 is in year 3 of 4. Report recommendations will be delivered by June 2017.

Performance Metrics to meet this outcome:
- 60% of students passed all USCG licensing examinations on their first attempt (7/7).
- 80% of students passed 5 out of 7 USCG licensing examinations on their first attempt, requiring two or fewer retests.
- 100% of the graduating class passed their STCW assessments.

- 100% of the graduating class has achieved adequate sea time to be eligible for their license.

Learning Activities that Support Development of the Outcome:
- Students take a license preparation course where all examination topics are reviewed. This course is a culmination of previous major courses.
- Courses throughout the program incorporate STCW assessments into their curriculum. Successful STCW assessments will serve to demonstrate the skills required for practical application.
- Sea time is achieved through summer cruises and various courses throughout the program.

Assessment Methods that track this Outcome:
- Results from USCG license examinations
- STCW assessment data, tracked by the STCW Coordinator
- Sea time, tracked by the department

DLO3

Status of four-year cycle:
DLO3 is in year 3 of 4. Report recommendations will be delivered by June 2017

Performance Metrics to meet this outcome:
- 100% of the graduating class has completed their STCW assessments to be eligible their licenses
- 95% graduate job placement
- 50% of alumni achieve graduate degrees or management level licenses (Chief Mate or Master)
- Students demonstrate interest in continuous improvement and lifelong learning in senior level major courses: Operational Command at Sea, Port and Terminal Management, and/or Advanced Maritime Topics

Learning Activities that Support Development of the Outcome:
- Courses throughout the program incorporate STCW assessments into their curriculum. Successful STCW assessments will serve to demonstrate the application of current nautical theory to emerging technologies, systems, and structures.

- Projects *(specific project identification is on track for Jan 2017)* in Operational Command at Sea, Port and Terminal Management, and/or Advanced Maritime Topics

Assessment Methods that track this Outcome:
1. STCW assessment data, tracked by the STCW Coordinator
2. Job placement as tracked Career Services
3. License upgrade/graduate degree's tracked by *TBD, 2017*

4. Project in Operational Command at Sea, Port and Terminal Management, and/or Advanced Maritime Topics, assessed via rubric *(specific rubric TBD by June 2017)*
5. *Lifelong learning elective project may be analyzed through Association of American Colleges and Universities VALUE rubric with modifications*
6. *Surveys from CRU 200 companies or from companies that attend the career fairs may be used*

Assessment Evidence and Findings:
The STCW program is being revised. All current students who are on track to graduate are on track to have all STCW competencies completed. All students who are on track to graduate are on track to have adequate sea time to be eligible for a USCG license.

Job placement was 95.31% in 2015. More data is pending to determine if the trend meets the outcome performance metric of 95% job placement.

The assessment plan for this outcome is in year 3 of 4. It is too early to develop adequate evidence and findings at this time.

Changes and Rationale:
The assessment plan for this outcome is in year 3 of 4. Evidence and findings need to be available before change recommendations can be made.

D. Summary of Assessment Results

The department assessment program was revised in the Summer of 2016. Assessment of the revised Program SLOs is currently underway and the results will be available starting Summer 2017.

3. STATISTICAL DATA

Statistical data is meant to enhance and support program development decisions. These statistics will be attached to the Annual Report of the Program Unit. This statistical document will contain the same data as required for the five-year review including student demographics of majors, faculty and academic allocation, and course data.

Program	Fall 2015
A. Students	
1. Undergraduate	309
2. Postbaccalaureate	0
B. Degrees Awarded	61
C. Faculty	
Tenured/Track Headcount	

1. Full-Time	12
2. Part-Time	0
3a. Total Tenure Track	12
3b. % Tenure Track	60%
Lecturer Headcount	
4. Full-Time	5
5. Part-Time	3
6a. Total Non-Tenure Track	8
6b. % Non-Tenure Track	40%
7. Grand Total All Faculty	20
Instructional FTE Faculty (FTEF)	
8. Tenured/Track FTEF	9.6
9. Lecturer FTEF	4.7
10. Total Instructional FTEF	14.3
Lecturer Teaching	
11a. FTES Taught by Tenure/Track	109
11b. % of FTES Taught by Tenure/Track	52.9%
12a. FTES Taught by Lecturer	97
12b. % of FTES Taught by Lecturer	47.1%
13. Total FTES taught	206
14. Total SCU taught	3087
D. Student Faculty Ratios	
1. Tenured/Track	11
2. Lecturer	21
3. SFR By Level (All Faculty)	14
4. Lower Division	17
5. Upper Division	12
E. Section Size	
1. Number of Sections Offered	119
2. Average Section Size	17
3. Average Section Size for LD	19
4. Average Section Size for UD	15
6. LD Section taught by Tenured/Track	30
7. UD Section taught by Tenured/Track	34
8. GD Section taught by Tenured/Track	0
9. LD Section taught by Lecturer	18
10. UD Section taught by Lecturer	37