ACADEMIC YEAR 2009-2010

To: Advisors of M.E. Undergraduate Students

From: John H. Lienhard V, Undergraduate Officer, Room 1-110 x3-2305

Re: **Course 2-OE, Mechanical and Ocean Engineering Registration Check Sheet**

The registration check sheet on the reverse is to be used for students who are majoring in Mechanical and Ocean Engineering (Course 2-OE).

This check sheet is to be kept in the advisee's folder and updated each semester. We suggest that you put a diagonal line (/) in the square for the semester when the subject is being taken, and that you write the grade over this when the course is completed.

A blacked-out square (■■■) indicates that the course is not offered. A "**+s**" indicates that the course is offered in the summer.

Students may receive CI credit for only one CI-H subject per semester. The Communication Requirement specifies that undergraduates complete one CI subject by the end of the first year, two by the end of the second year, three by the end of the third year, and four by graduation.

COURSE 2-OE # Check Sheet **Academic Year 2009-2010**

Advisee: _____ **Date SB expected: _____**

Institute Requirement Courses:

			Semester taken:								
			1		2		3		4		
	Number	Units	F	Sp	F	Sp	F	Sp	F	Sp	Alternatives:
Chemistry	3.091	12									5.111 or 5.112
Physics	8.01	12									8.012 or 8.01X or 8.01L
Electromagnetism	8.02	12									8.022 or 8.02X
Calculus, one variable	18.01	12									18.01A, 18.013A or 18.014
Calculus, many variables	18.02+s	12									18.02A, 18.022, 18.023, 18.023A, 18.024
Biology	7.012	12									7.013, 7.014, 7.015
Two CI-H Subjects	CI-H	--					■■■	■■■	■■■	■■■	

Departmental Core (required)

Required Courses:

			Semester taken:								
			1		2		3		4		
	Number	Units	F	Sp	F	Sp	F	Sp	F	Sp	Prerequisites:
Mechanics and Materials I	2.001	12									8.01, 18.02, *18.03*
Mechanics and Materials II	2.002	12									2.001, 3.091, 5.111, or 5.112
Dynamics and Control I	2.003J	12									8.01, 18.03
Dynamics and Control II	2.004	12									2.003J, 8.02
Thermal-Fluids Engineering I	2.005	12									8.02, 18.02, *18.03*
Hydrodynamics	2.016	12		■■■		■■■		■■■		■■■	8.02, 18.03
Design of Elect. Robotic Systems	2.017J	12		■■■		■■■		■■■		■■■	2.003J; 2.005 or 2.016; 2.671
Design of Ocean Systems **(CI-M)**	2.019	12	■■■		■■■		■■■		■■■		2.001; 2.003J; 2.005 or 2.016; senior standing
Num. Comp. for Mech. Engineers	2.086	12									2.001, 2.003J; *2.005*
Marine Power and Propulsion	2.612	12		■■■		■■■		■■■		■■■	2.005
Mechanical Engineering Tools	2.670	3	COURSE ONLY OFFERED OVER **IAP** !								
Meas. & Instrumentation **(CI-M)**	2.671	12									2.001, 2.003J, 8.02
Differential Equations	18.03	12									*18.02*

Professional Subjects (electives)

			Semester taken:								
			1		2		3		4		
	Number	Units	F	Sp	F	Sp	F	Sp	F	Sp	Prerequisites:
Thermal-Fluids Engineering II	2.006	12									2.005, 18.03
Design and Manufacturing I	2.007	12	■■■		■■■		■■■		■■■		2.001
Design and Manufacturing II	2.008	12									2.001; *2.005*; 2.007 or *2.017J*
Acoustics and Sensing	2.065	12	■■■		■■■		■■■		■■■		2.003J, 6.003, 8.03, or 16.03
Structural Mechanics	2.080J	12		■■■		■■■		■■■		■■■	2.002 or 2.012J
Computer Methods in Dynamics	2.092	12		■■■		■■■		■■■		■■■	2.001, 2.003J
Introduction to Robotics	2.12	12		■■■		■■■		■■■		■■■	2.004
Feedback Control Systems	2.14	12	■■■		■■■		■■■		■■■		2.004
Intermed Heat and Mass Transfer	2.51	12		■■■		■■■		■■■		■■■	2.006*
Fund. of Adv. Energy Conversion	2.60J	12	■■■		■■■		■■■		■■■		2.006*
Principles of Naval Architecture	2.701	12		■■■		■■■		■■■		■■■	2.002 or 2.012J
Sailing Vessel Design	2.706	12	■■■		■■■		■■■		■■■		2.701 or permission of instruct.
Elements of Mechanical Design	2.72	12	■■■		■■■		■■■		■■■		2.005, 2.007, 2.671
Management in Engineering	2.96	12		■■■		■■■		■■■		■■■	
Undergraduate Thesis	2.ThU	12									

* Alternate prerequisites are listed in the catalog

Co-requisite courses are listed in italics