UNIVERSITY OF CALIFORNIA, SAN DIEGO EDUCATIONAL EFFECTIVENESS REVIEW PRESCRIBED EXHIBITS AND DATA DISPLAYS Table 7.1b

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Inventory of Educational Effectiveness Indicators - Graduate

(as of 06/2015)

Department/ Program	Degree Type	Degree	(2) What are these learning outcomes? Where are they published?			(3) What data/evidence is used to determine that graduates have achieved the stated outcomes?	(4) Who interprets the evidence? What is the Process?	
Mechanical and	Master of Science	Engineering	Extend and broaden an undergraduate background	<u>Program</u>	Catalog Copy	Plan 1: Written Master's thesis. Plan 2:	Plan 1: Thesis	Plan 1: Write thesis and
Aerospace Engineering		Sciences: Aerospace	and/or as practicing engineers be equipped with	<u>Website</u>		Oral comprehensive exam	Committee Plan 2:	defend in oral
		Engineering	fundamental knowledge in their particular fields.				Examination Committee	examination Plan 2: Pass
(1) Formal learning								oral examination
outcomes?								
Yes		Engineering	Extend and broaden an undergraduate background	<u>Program</u>	Catalog Copy	Plan 1: Written Master's thesis. Plan 2:	Plan 1: Thesis	Plan 1: Write thesis and
		Sciences: Applied	and/or as practicing engineers be equipped with	<u>Website</u>		Oral comprehensive exam	Committee Plan 2:	defend in oral
(6) Date of last Academic		Mechanics	fundamental knowledge in their particular fields.				Examination Committee	examination Plan 2: Pass
Senate Review:								oral examination
2013-14								
		Engineering	Extend and broaden an undergraduate background	<u>Program</u>	Catalog Copy	Plan 1: Written Master's thesis. Plan 2:	Plan 1: Thesis	Plan 1: Write thesis and
		Sciences: Applied	and/or as practicing engineers be equipped with	<u>Website</u>		Oral comprehensive exam	Committee Plan 2:	defend in oral
		Ocean Science	fundamental knowledge in their particular fields.				Examination Committee	examination Plan 2: Pass
								oral examination

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Inventory of Educational Effectiveness Indicators - Graduate

(as of 06/2015)

Department/ Program	Degree Type	Degree	(2) What are these learning outcomes? Where are they published?			(3) What data/evidence is used to determine that graduates have achieved the stated outcomes?	(4) Who interprets the evidence? What is the Process?	
Mechanical and Aerospace Engineering (continued)		Engineering Sciences: Engineering Physics	Extend and broaden an undergraduate background and/or as practicing engineers be equipped with fundamental knowledge in their particular fields.	<u>Program</u> <u>Website</u>	Catalog Copy	Plan 1: Written Master's thesis. Plan 2: Oral comprehensive exam	Plan 1: Thesis Committee Plan 2: Examination Committee	Plan 1: Write thesis and defend in oral examination Plan 2: Pass oral examination
		Engineering Sciences: Mechanical Engineering	Extend and broaden an undergraduate background and/or as practicing engineers be equipped with fundamental knowledge in their particular fields.	<u>Program</u> <u>Website</u>	Catalog Copy	Plan 1: Written Master's thesis. Plan 2: Oral comprehensive exam	Plan 1: Thesis Committee Plan 2: Examination Committee	Plan 1: Write thesis and defend in oral examination Plan 2: Pass oral examination
	Doctor of Philosophy		Be prepared for a variety of careers in research and teaching with an emphasis on research.	Program Website	Catalog Copy	Part 1: Qualifying examination Part 2: Submission of a dissertation prospectus and oral examination	Doctoral Committee	Pass qualifying examinations, write dissertation and defend in an oral examination
		Engineering Sciences: Applied Mechanics	Be prepared for a variety of careers in research and teaching with an emphasis on research.	Program Website	Catalog Copy	Part 1: Qualifying examination Part 2: Submission of a dissertation prospectus and oral examination	Doctoral Committee	Pass qualifying examinations, write dissertation and defend in an oral examination
		Engineering Sciences: Applied Ocean Science	Be prepared for a variety of careers in research and teaching with an emphasis on research.	Program Website	Catalog Copy	Part 1: Qualifying examination Part 2: Submission of a dissertation prospectus and oral examination	Doctoral Committee	Pass qualifying examinations, write dissertation and defend in an oral examination
		Engineering Sciences: Engineering Physics	Be prepared for a variety of careers in research and teaching with an emphasis on research.	Program Website	Catalog Copy	Part 1: Qualifying examination Part 2: Submission of a dissertation prospectus and oral examination	Doctoral Committee	Pass qualifying examinations, write dissertation and defend in an oral examination
		Engineering Sciences: Mechanical Engineering	Be prepared for a variety of careers in research and teaching with an emphasis on research.	Program Website	Catalog Copy	Part 1: Qualifying examination Part 2: Submission of a dissertation prospectus and oral examination	Doctoral Committee	Pass qualifying examinations, write dissertation and defend in an oral examination

UNIVERSITY OF CALIFORNIA, SAN DIEGO EDUCATIONAL EFFECTIVENESS REVIEW PRESCRIBED EXHIBITS AND DATA DISPLAYS Table 7.1b

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Inventory of Educational Effectiveness Indicators - Graduate

(as of 06/2015)

Department/ Program	Degree Type	Degree	(2) What are these learning outcomes? Where are they published?			(3) What data/evidence is used to determine that graduates have achieved the stated outcomes?	(4) Who interprets the evidence? What is the Process?	
Mechanical and Aerospace Engineering (continued)		Sciences with Specialization in	Obtain standard basic training in their chosen field of science, mathematics, or engineering with a specialization in computational science integrated into their graduate studies.	Program Website	<u>Catalog Copy</u>	Qualifying examinations, teaching requirement, research training, written dissertation and oral examination in defense of dissertation	Department Faculty, Doctoral Committee	Pass all examinations, complete all requirements and training, write dissertation and defend in an oral examination.
			Attain advanced knowledge and demonstrate research skills in a specialized field.	Program Website	Catalog Copy	, ,	Advising Committee and Doctoral Committee	Pass qualifying examinations, write dissertation and defend in an oral examination
		Specialization in Multi-Scale Biology	The training outcomes (as summarized on the program website and catalog pages) include (1) experience in cross disciplinary science at the interfaces between two or more scientific disciplines; (2) hands-on experience in specialized research technologies for probing biological structure and function at multiple scales of biological organization; and (3) familiarity with integrative, quantitative analysis from molecule to organism scales.	Program Website	Catalog Copy	defense of dissertation	comprised of required co-mentor(s) from outside the home department, as well as members of home department, and other	Complete both home department requirements and Interfaces Ph.D. Specialization in Multi-Scale Biology program requirements and training, write dissertation and defend in an oral examination.