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

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?	
Structural Engineering **(1) Formal learning outcomes?** Yes **(6) Date of last Academic Senate Review:** 2006-07	Master of Science	Structural Engineering	Gain the additional fundamental knowledge as well as specialized advanced knowledge in selected structural engineering aspects over and above the undergraduate degree course work.	Program Website	Catalog Copy	Plan 1: Write thesis and defend in an oral examination. Plan 2: Comprehensive written and/or oral examination	Thesis Committee, Department Faculty.	Plan 1: Write thesis and defend in oral examination. Plan 2: Pass comprehensive written and/or oral examination.
		Structural Engineering with Specialization in Structural Health Monitoring, Prognosis, and Validated	Gain specialized knowledge in the three technology areas of (1) Sensing Technology, (2) Data Interrogation, and (3) Predictive Modeling.	Program Website	Catalog Copy	Plan 1: Write thesis and defend in an oral examination. Plan 2: Comprehensive written and/or oral examination	Thesis Committee, Department Faculty.	Plan 1: Write thesis and defend in oral examination. Plan 2: Pass comprehensive written and/or oral examination.
	Doctor of Philosophy	Structural Engineering	Be prepared for a variety of careers in research, teaching and advanced professional practice in the broad sense of structural engineering, encompassing civil and aerospace structures, earthquake and geotechnical engineering, composites, computational mechanics, and engineering mechanics.	Program Website	Catalog Copy	Doctoral examinations, teaching experience, written dissertation, and oral dissertation defense	Structural Engineering Graduate Affairs Committee, Doctoral Committee	Pass all examinations, write and successfully defend dissertation.
		Structural Engineering with Specialization in Computational Science	This is a campus-wide interdisciplinary training program designed to train the next generation of scientists, mathematicians, and engineers in the use of modern tools of computational science.	Program Website	Catalog Copy	Doctoral examinations, teaching experience, written dissertation, and oral dissertation defense	Structural Engineering Graduate Affairs Committee, Doctoral Committee	Pass all examinations, write and successfully defend dissertation.