

**UNIVERSITY OF CALIFORNIA, SAN DIEGO
EDUCATIONAL EFFECTIVENESS REVIEW
PRESCRIBED EXHIBITS AND DATA DISPLAYS**

**Table 7.1b
(Page 1 of 2)**

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?		
Neurosciences (1) Formal learning outcomes? Yes (6) Date of last Academic Senate Review: 2012-13	Doctor of Philosophy	Neurosciences	Foster and maintain a community of excellence in study and research in neurosciences and to be prepared to develop creative and innovative scientific research in order to lead productive and successful careers.	Program Website	Catalog Copy	Research rounds, teaching positions, minor proposition exam, qualifying examination, written dissertation, and oral defense.	Minor Proposition Committee and Doctoral Committee	Complete research rounds and teaching requirements. Pass minor proposition exam, 10-page NIH proposal, and oral examination. Pass qualifying exam, and write and successfully defend dissertation.
		Neurosciences with Concentration in Computational Science	Gain a broad range of scientific and technical skills that are essential to understand the computational resource of neural systems.	Program Website	Catalog Copy	Oral course examinations, research rounds, teaching positions, minor proposition exam, written dissertation, and oral defense.	Minor Proposition Committee and Doctoral Committee	Complete research rounds and teaching requirements. Pass minor proposition exam, 10-page NIH proposal, and oral examination. Pass qualifying exam, and write and successfully defend dissertation.

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Neurosciences (continued)		Neurosciences with 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	Qualifying examinations, teaching requirement, research training, written dissertation and oral examination in defense of dissertation	Interdisciplinary doctoral committee comprised of re-quired co-mentor(s) from outside the home department, as well as members of home depart-ment, and other faculty per UCSD committee standards.	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.
		Neurosciences and Cognitive Science	Foster and maintain a community of excellence in study and research in neurosciences and to be prepared to develop creative and innovative scientific research in order to lead productive and successful careers. In addition, possess expertise in a secondary specialization from the field of cognitive science, which may include child development, computational modeling, distributed cognition, language disorders, neuroscience, philosophy, and psycholinguistics.	Program Website	Catalog Copy	Research rounds, teaching positions, minor proposition exam, qualifying examination, written dissertation, and oral defense.	Minor Proposition Committee and Doctoral Committee	Complete research rounds and teaching requirements. Pass minor proposition exam, 10-page NIH proposal, and oral examination. Pass qualifying exam, and write and successfully defend dissertation.
		Neurosciences with Specialization in Anthropogeny	Designed to allow students to participate in research and education focused on explaining the origins of the human phenomenon.	Program Website	Catalog Copy	Research rounds, teaching positions, minor proposition exam, qualifying examination, written dissertation, and oral defense.	Minor Proposition Committee and Doctoral Committee	Complete research rounds and teaching requirements. Pass minor proposition exam, 10-page NIH proposal, and oral examination. Pass qualifying exam, and write and successfully defend dissertation.