

REMP Comprehensive Examination: Table of Specifications

	Topic	[Possible] Subtopics	# of Items	% of Exam
Research Designs & Statistics (35 pts.)	Research Designs	Identifying Variables & Scales of Measurement Experimental & Non-Experimental Designs Internal & External Validity	2	9
	Statistics I	Hypothesis Testing Sampling Distributions Type I & Type II Error Effect Sizes/Power	1	5
	Statistics II	Comparing Means Factorial ANOVA (including assumptions) Repeated Measures ANOVA ANCOVA	1	5
	Statistics III	Regression Assumptions Multiple Linear Regression Logistic Regression	1	7
	Multivariate	MANOVA (including assumptions) Principal Components Analysis Exploratory Factor Analysis Logistic Regression	1	9
	Topic Total			35
Measurement Theory (40 Pts.)	CTT	CTT Model and Derivations Basic Formulas that Influence Testing Practices Reliability Concepts and Estimation/ Standard Error of Measurement Item Analysis Classical Equating Approaches to Identifying DIF Test Development	2	10-15
	IRT	Shortcomings of CTT IRT Models for Handling Binary and Polytomous Response Data Item Parameter Estimation Approaches to Model Fit IRT Test Development IRT Approaches for CBT and CAT, Equating, and Identifying DIF	2	10-15
	Validity	Theory & Applications	1	7
	Scaling	Cluster Analysis Multidimensional Scaling	1	3
	SEM	Exploratory Factor Analysis Confirmatory Factor Analysis	1	7
	Topic Total			40

Applications	CTT	Equating Test of Invariance	1	
	IRT	Test of Invariance Model Fit Equating IRT Software	1	
	<i>Topic Total</i>			25
	<i>Exam Total</i>			100