Morgridge College of Education
Research Methods and Statistics –
Ph.D. Institutional Research
Concentration Course Work Plan
2021-2022

Student: _____   ID #: _____

Phone #: _____   E-mail _____

I. Morgridge College of Education Requirements	Course #	Expected Qtr. Of Completion	Credit Hours
A. Research (*all required)			
*Introductory Statistics	RMS 4910		4
*Quantitative Research Design	RMS 4930		3
*Introduction to Qualitative Research	RMS 4941		4
*Dissertation Research (Minimum 10 credits, must register for at least 1 hr. per Fall, Winter & Spring after most coursework is completed	RMS 5995		
II. Program Requirements			
A. Management (select at least one course)			
Fundamentals of Managing and Leading	MGMT 4201		4
Leading Self	MGMT 4202		4
Organization Behavior	MGMT 4301		4
Negotiations and Change	MGMT 4303		4
Project Management for Leaders	MGMT 4304		4
B. Measurement (* required)			
* Psychometric Theory (Prerequisite: RMS 4910)	RMS 4921		3
*Item Response Theory (Prerequisite: RMS 4910,	RMS 4922		3
*Factor Analysis (Prerequisite: RMS 4911, RMS 4921)	RMS 4924		4
C. Research Methods (* required)			
*Survey and Design Analysis (Prerequisite: RMS	RMS 4931		3
*Mixed Method Research Design (Prerequisite: RMS 4910, RMS 4930, RMS 4941, and one of the following: RMS 4942, RMS 4947, RMS 4948, or instructor permission	RMS 4951		4
*Research Ethics	RMS 4952		3
*Intro to Evaluation Research	RMS 4960		3
Choose at least one of the following:			
Meta-Analysis in Social Sciences Research (Prerequisite: RMS 4911, RMS 4930, & Preferred RMS 4912	RMS 4932		3

Structural Foundations of Research in the Social Sciences	RMS 4940 RMS 4940		3 3
Qualitative Data Collection and Analysis			
Community Based Research (Prerequisite: RMS 4942 & RMS 4930 Instructor permission)	RMS 4945		4
Advanced Qualitative Research (Prerequisite: RMS 4941 & RMS 4942, or instructor permission)	RMS 4946		4
Arts Based Research (Prerequisite: RMS 4951 or instructor permission)	RMS 4947		3
Topics in Research Design (Prerequisite: RMS 4930)	RMS 4959		
D. Statistics (* required)			
*Correlation & Regression (Prerequisite: RMS 4910)	RMS 4911		4
*Analysis of Variance (Prerequisite: RMS 4910)	RMS 4912		5
*Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912)	RMS 4913		5
Choose at least one of the following:			
Structural Equation Modeling (Prerequisite: RMS 4913, RMS 4921)	RMS 4914		4
Hierarchical Linear Modeling (Prerequisite: RMS 4911)	RMS 4915		4
Latent Growth Curve Modeling (Prerequisite: RMS 4914)	RMS 4916		4
III. Practicum (* required)			
*Practicum in Research	RMS 4980		3 - 4

SPECIALIZATION AREA COURSES
(15-18credits minimum; *Required Courses)

Specialization in Higher Education

Course Name	Course Number	Course Credits
*Organization & Governance of Higher Education	HED 4220	3
*Public Policy in Higher Education	HED 4212	3
*Financing Higher Education	HED 4221	3
*History of American Higher Education	HED 4214	3
*Current Issues in Higher Education	HED 4211	3
Inclusive Excellence in Organizations	HED 4284	3
Issues of Access & Opportunity	HED 4246	3
Retention, Persistence, and Student Success in Postsecondary Settings	HED 4247	3

Specialization in Library and Information Science

Course Name	Course Number	Course Credits
*Organization of Information	LIS 4010	3
*Digitization	LIS 4820	3
*Metadata Architectures (Prerequisite: LIS 4000, LIS 4010, LIS 4070 or LIS 4800)	LIS 4404	3
*Web Content Management	LIS 4206	3
*Academic Libraries	LIS 4700	3

Specialization in Business Analytics

Course Name	Course Number	Course Credits
Business Databases	INFO 4140	4
Data Warehousing	INFO 4240	4
Predictive Analytics	INFO 4300	4
Data Mining & Visualization	INFO 4340	4
Complex Data	INFO 4360	4
Business Statistics	INFO 4610	4

Summary of Degree Requirements			
	Credits Required	Credits Transferred in	Credits Completed
I. Morgridge College of Education Requirements			
A. Research	**21**		
II. Division/Program Requirements			
A. Management	**4**		
B. Measurement	**10**		
C. Research Methods	**16-17**		
D. Statistics	**18**		
III. Practicum	**3 - 4**		
IV. Cognate Requirement: Specialization in Higher Education or Library and Information Science or Business Analytics	**16-18**		
Total	**Minimum 90 hours**		

Date of Comprehensive Examination Completed (Fall or Spring quarter): _____

Student's Signature_____   Date: _____

Advisor's Signature_____   Date: _____