

Name:

Student ID #:

v08012014

0

Masters Degree Program (39 credit hours)

Total Number of Credits:

Advising Committee Members:

Catalog Year 2014-2016

Basic Informatics (6 hrs min)	Semester/ Year	Cr	Grade	Research Informatics (9 hrs min)	Semester/ Year	Cr	Grade	Advanced Informatics (3 hrs min)	Semester/ Year	Cr	Grade
HI5300 Intro to HI*				HI5351 Research Design*							
				HI5352 Statistical Methods*							
				HI6313 Scientific Writing*							
Number of Credits		0		Number of Credits		0		Number of Credits		0	

Foundational Courses (6 hrs)	Semester/ Year	Cr	Grade	Concentration Courses	Semester/ Year	Cr	Grade	Student Learning Outcomes	Date Achieved
HI5310 Foundations I*								Scope of Discipline	
HI5311 Foundations II*								Ability to apply	
								Opportunities and Limitations	
				Number of Credits		0			
Number of Credits		0						-	

Practicum (3 hrs)	Semester/ Year	Cr	Grade
HI6000 Practicum*			
Number of Credits		0	

Approved by:

Primary Advisor (Print Name)

Signature

Date

Student Signature

Date

* Required courses

Research Track Concentrations for 2014-2016

	Clinical Informatics (18 hours)	
HI 5007	Data Structures and Algorithms in Biomedicine	Basic
HI 5007 HI 5313	Introduction to Electronic Health Records	Basic
HI 5313 HI 5314	Technology Assessment in Healthcare	Basic
HI 5314 HI 5315		Basic
	Quality and Outcome Improvement in Healthcare	
HI 5353	Health Informatics Data Analysis	Research
HI 5354	Cognitive Engineering in Health Informatics	Research
HI 5360	Clinical Decision Support System	Basic
HI 6315	Advanced Electronic Health Records	Advanced
HI 6330	Biomedical Natural Language Processing	Advanced
HI 6340	HI Visualization and Visual Analytics	Research
	Cognitive Informatics (18 hours)	
HI 5007	Data Structures and Algorithms in Biomedicine	Basic
HI 5302	Cognitive Science in Health Informatics	Basic
HI 6305	Social Dynamics and Health Information	Advanced
HI 5354	Cognitive Engineering in Health Informatics	Research
HI 5360	Clinical Decision Support System	Basic
HI 6301	Health Data Display	Advanced
HI 6308	Consumer Informatics	Advanced
HI 6309	Healthcare Interface Design	Advanced
HI 6330	Biomedical Natural Language Processing	Advanced
HI 6332	Distributional Semantics: Methods and Biomedical Applications	Advanced
HI 6340	HI Visualization and Visual Analytics	Research
HI 6340		Research
	Health Data Analytics (18 hours)	
HI 5007	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine	Basic
HI 5007 HI 5304	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics	Basic Research
HI 5007 HI 5304 HI 5351	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics	Basic Research Research
HI 5007 HI 5304 HI 5351 HI 5352	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics	Basic Research Research Research
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis	Basic Research Research Research Research
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display	Basic Research Research Research Research Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display Distributional Semantics: Methods and Biomedical Applications	Basic Research Research Research Research Advanced Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display Distributional Semantics: Methods and Biomedical Applications Datamining in Biomedical Informatics	Basic Research Research Research Research Advanced Advanced Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display Distributional Semantics: Methods and Biomedical Applications Datamining in Biomedical Informatics Biomedical Natural Language Processing	Basic Research Research Research Research Advanced Advanced Advanced Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display Distributional Semantics: Methods and Biomedical Applications Datamining in Biomedical Informatics	Basic Research Research Research Research Advanced Advanced Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display Distributional Semantics: Methods and Biomedical Applications Datamining in Biomedical Informatics Biomedical Natural Language Processing HI Visualization and Visual Analytics	Basic Research Research Research Research Advanced Advanced Advanced Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330	Health Data Analytics (18 hours) Data Structures and Algorithms in Biomedicine Advanced Database Concepts in Health Informatics Research Design and Evaluation in Health Informatics Statistical Methods in Health Informatics Health Informatics Data Analysis Health Data Display Distributional Semantics: Methods and Biomedical Applications Datamining in Biomedical Informatics Biomedical Natural Language Processing HI Visualization and Visual Analytics	Basic Research Research Research Research Advanced Advanced Advanced Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsPublic Health Informatics (18 hours)Technology Assessment in Healthcare	Basic Research Research Research Advanced Advanced Advanced Advanced Research
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340 HI 5314 HI 5315	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsPublic Health Informatics (18 hours)Technology Assessment in HealthcareOutcomes and Quality in Healthcare	Basic Research Research Research Advanced Advanced Advanced Research Basic Basic
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340 HI 5314 HI 5315 HI 5353	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsTechnology Assessment in HealthcareOutcomes and Quality in HealthcareHealth Informatics Data Analysis	Basic Research Research Research Advanced Advanced Advanced Advanced Research Basic Research
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340 HI 5314 HI 5315 HI 5353 HI 5380	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsTechnology Assessment in HealthcareOutcomes and Quality in HealthcareHealth Informatics Data AnalysisPrinciples and Foundations of Public Health Informatics	Basic Research Research Research Advanced Advanced Advanced Advanced Research
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340 HI 5314 HI 5315 HI 5353 HI 5380 HI 5381	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsPublic Health Informatics (18 hours)Technology Assessment in HealthcareOutcomes and Quality in HealthcareHealth Informatics Data AnalysisPrinciples and Foundations of Public Health InformaticsMethods in Public Health Informatics	Basic Research Research Research Advanced Advanced Advanced Advanced Research
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340 HI 5314 HI 5315 HI 5353 HI 5380 HI 5381 HI 5382	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsTechnology Assessment in HealthcareOutcomes and Quality in HealthcareHealth Informatics Data AnalysisPrinciples and Foundations of Public Health InformaticsMethods in Public Health InformaticsSynthesis Project in Public Health Informatics	Basic Research Research Research Advanced Advanced Advanced Advanced Research Basic Research Basic Research Basic Advanced
HI 5007 HI 5304 HI 5351 HI 5352 HI 5353 HI 6301 HI 6322 HI 6323 HI 6330 HI 6340 HI 5314 HI 5315 HI 5353 HI 5380 HI 5381	Health Data Analytics (18 hours)Data Structures and Algorithms in BiomedicineAdvanced Database Concepts in Health InformaticsResearch Design and Evaluation in Health InformaticsStatistical Methods in Health InformaticsHealth Informatics Data AnalysisHealth Data DisplayDistributional Semantics: Methods and Biomedical ApplicationsDatamining in Biomedical InformaticsBiomedical Natural Language ProcessingHI Visualization and Visual AnalyticsPublic Health Informatics (18 hours)Technology Assessment in HealthcareOutcomes and Quality in HealthcareHealth Informatics Data AnalysisPrinciples and Foundations of Public Health InformaticsMethods in Public Health Informatics	Basic Research Research Research Advanced Advanced Advanced Advanced Research