

Table 1

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) Competencies Met by Lecture for Baccalaureate in Health Information Management (BHIM), Master's in Health Information Management (MHIM), and Master's in Health Informatics (MHI)

Lecture Topic (Number of lectures)	Competencies Covered in Full or Part		
	BHIM Curriculum Requirements (2014)	MHI Curriculum Requirements (2012)	MHIM Curriculum Requirements (2014)
Introduction to Database Systems in Health Care (1)	<ul style="list-style-type: none"> Laws and regulations: II.A.1, III.H.2 	<ul style="list-style-type: none"> Privacy and security: I.10, I.11, III.10 	<ul style="list-style-type: none"> Privacy and security, assessment: II.B.1 Regulatory and legal: III.B.1
Database Development, Systems Development Life Cycle (SDLC), and Prototyping (1)	<ul style="list-style-type: none"> Capture, structure, and modeling: I.D.1, I.D.4, III.A.5, III.A.6 SDLC: III.B.2 	<ul style="list-style-type: none"> Data representation: III.7 Design: II.10, III.9 Modeling: II.5 	<ul style="list-style-type: none"> Data representation: I.D.3 SDLC and performance: III.A.5
Conceptual Design (2)	<ul style="list-style-type: none"> Capture, structure, and modeling: I.D.1, I.D.4, III.A.5, III.A.6 Data dictionary: I.C.2, I.D.4, III.A.6 	<ul style="list-style-type: none"> Data representation: III.7 Design: II.10, III.9 Modeling: II.5 	<ul style="list-style-type: none"> Data representation: I.D.3 Design: III.A.7
Logical Design: Relational Model, Entity-Relationship (ER) Models to Relations, and Normalization (2)	<ul style="list-style-type: none"> Capture, structure, and modeling: I.D.1, I.D.4, III.A.5, III.A.6 	<ul style="list-style-type: none"> Data representation: III.7 Design: II.10, III.9 Modeling: II.5 	<ul style="list-style-type: none"> Data representation: I.D.3 Design: III.A.7
Physical Design: Databases, Tables, and Indices (1)	<ul style="list-style-type: none"> Capture, structure, and modeling: I.D.1, I.D.4, III.A.5, III.A.6 	<ul style="list-style-type: none"> Architecture and design: III.9 Data representation: III.7 Design: II.10 	<ul style="list-style-type: none"> Data representation: I.D.3 Design: III.A.7 Performance: III.A.5
Structured Query Language (SQL) (2)	<ul style="list-style-type: none"> Capture and structure: I.D.1 Quality and integrity: III.H.4 SQL: III.C.5, III.C.6 	<ul style="list-style-type: none"> Data representation: III.7 Design: II.10, III.9 Quality: I.4 SQL: III.2 	<ul style="list-style-type: none"> Data representation: I.D.3 Design: III.A.7 SQL: III.A.7
Data and Database Administration (1)	<ul style="list-style-type: none"> Administration: III.A.6 SQL: III.C.5, III.C.6 	<ul style="list-style-type: none"> Security: I.11, III.10 SQL: III.2 	<ul style="list-style-type: none"> Administration: III.A.7 SQL: III.A.7

<p>Data Quality and Integration (2)</p>	<ul style="list-style-type: none"> • Integration: I.C.1 • Laws and regulations: II.A.1, III.H.2 • Quality and integrity: III.H.4 • SQL: III.C.5, III.C.6 	<ul style="list-style-type: none"> • Privacy and security: I.10, I.11, III.10 • Quality: I.4 • SQL: III.2 	<ul style="list-style-type: none"> • Database conversions: III.A.6 • Integration: I.C.1 • Privacy and security, assessment: II.B.1 • Regulatory and legal: III.B.1 • Threats to quality and validity: III.H.1
<p>Archival and Retrieval Systems and Data Warehousing (1)</p>	<ul style="list-style-type: none"> • Archival and retrieval: III.A.1 • Data warehousing: I.D.4, III.A.6 • Laws and regulations: II.A.1, III.H.2 • Modeling: I.D.1, I.D.4, III.A.5, III.A.6 	<ul style="list-style-type: none"> • Data representation: III.7 • Data warehousing and design: III.9 • Modeling: II.5 	<ul style="list-style-type: none"> • Archival: III.A.7 • Data representation: I.D.3 • Data mapping: I.E.1 • Data warehousing: I.E.1, III.A.7 • Database conversions: III.A.6 • Performance: III.A.5 • Regulatory and legal: III.B.1