

Applied Health Informatics (LMICs) Certificate Program Calendar						
Duration:	March 28 – September 30, 2026					
Delivery:	Monthly live synchronous call (1 hours sessions), Remainder asynchronous					
Tracks:	Clinical & Care Delivery (CCD) and Digital Health Systems (DHS)					
Graduation:	6 core courses per track, 1 elective, 1 Capstone					
Month	Dates	Live Session / Milestone	CCD Track (Core)	DHS Track (Core)	CCD Instructor	DHS Instructor
Phase 0	Mar 28 - April 3	Mon March 30, 2026	Orientation / Moodle onboarding Program orientation, Moodle access, student introductions, expectations, and capstone overview.	Orientation / Moodle onboarding Program orientation, Moodle access, student introductions, expectations, and capstone overview.	Chamberlain Nwanne	Chamberlain Nwanne
Phase 1	April 6 - May 3	Introductions	AHI-CCD-C101 - Foundations of Health Informatics Introduces students to the field of health informatics, exploring its history, principles, domains, and applications, with emphasis on global health and LMIC contexts.	AHI-CCD-C101 - Foundations of Health Informatics Introduces students to the field of health informatics, exploring its history, principles, domains, and applications, with emphasis on global health and LMIC contexts.	Chamberlain Nwanne	Chamberlain Nwanne
Phase 1	May 4 – May 24	Course kickoff + mentor recruitment	AHI-CCD-C201 - Clinical Workflow & Nursing Informatics AHI-CCD-C201: Integrates nursing informatics with workflow analysis to support system design, EHR adoption, and quality improvement.	AHI-DHS-C202 - Health Data Standards and Interoperability. AHI-DHS-C202: Examines healthcare terminology, coding systems, and interoperability frameworks essential for effective digital health systems.	MaryAnn Connor	Chamberlain Nwanne
	May 25 - June 7	Academic Recovery & Reflection Period #1				
Phase 2	June 8 - June 28	EHR / OpenMRS applied session	AHI-DHS-C201 - Electronic Health Records (EHRs) & Health IT Systems Examines EHR architecture, workflows, adoption challenges, and implementation models for LMICs. Practice lab on EHR.	AHI-DHS-C202 - Electronic Health Records (EHRs) & Health IT Systems Examines EHR architecture, workflows, adoption challenges, and implementation models for LMICs. Practice lab on EHR.	Chamberlain Nwanne	Chamberlain Nwanne

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Phase 3	June 29 – July 19	Track specialization + capstone check-in	AHI-CCD-C202 -Clinical Documentation Improvement AHI-CCD-C202: Focuses on improving the quality, clarity, and completeness of clinical documentation to support patient care and health system planning, especially in low-resource and hybrid (paper + digital) settings	AHI-DHS-C201 - Health Systems Architecture & Digital Infrastructure AHI-DHS-202: Introduces the foundational architecture of modern digital health systems, with emphasis on LMICs. Participants learn how electronic health systems are built, deployed, and maintained, including networks, servers, cloud platforms, data storage, interoperability layers, and national digital health frameworks.	Rika Gotico	TBD
Phase 3	July 20 – Aug 9	Applied informatics case session	AHI-CCD-C301 - Public Health Informatics & Global Population Health AHI_CCD-C301: Focuses on digital health approaches for surveillance, outbreak response, and population health improvement.	AHI-DHS-C301 - Data Security, Privacy & Ethics AHI-DHS-C302: Introduces cybersecurity, privacy laws, and ethical considerations.	Odamea Akoma (Lead)	Omar Sangurima (Lead)
Phase 4	Aug 10 - Aug 30		AHI-DHS-C302 - Research Informatics & Data Management (Shared) AHI-DHS-C302: Covers tools and skills for managing clinical, implementation, and public health research	AHI-DHS-C302 - Research Informatics & Data Management (Shared) AHI-DHS-C302: Covers tools and skills for managing clinical, implementation, and public health research	Ashley Landay (Lead) Facilitator 2 Facilitator 3	Ashley Landay (Lead) Facilitator 2 Facilitator 3
	Aug 31 - Sept 6	Academic Recovery & Reflection Period #2				

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Electives Phase	Sept 7 - Sept 20	Optional office hours / elective check-ins	Choose 1 approved elective (see Electives sheet) Self-paced; Concurrent with courses	Choose 1 approved elective (see Electives sheet) Self-paced; Concurrent with courses		
			AHI-E201 - Pharmacy Informatics To equip learners with practical pharmacy informatics skills to improve medication safety, pharmacovigilance, and regulatory reporting in low-resource health systems, with real-world application in Nigeria and other LMICs	AHI-E203 - Imaging Informatics Focuses on practical imaging informatics knowledge to improve diagnostic workflows, image storage, teleradiology services, and data management in resource-limited health systems. Emphasis is placed on PACS, DICOM, hybrid paper-digital imaging environments, and scalable solutions appropriate for LMICs.	AHI-E201: Lauren Koranteng (Lead) Facilitator 2 NAFDAC guest	
			AHI-E204 - Laboratory & Pathology Informatics AHI-E204: Focuses on laboratory workflows, Laboratory Information Management Systems (LIMS), pathology data integration, and lab-to-surveillance data reporting in LMIC contexts.	AHI-E202 - Telehealth & Digital Health Models AHI-E202: Explores digital health ecosystems, mHealth tools, virtual care models, governance, policy, and scalable digital transformation strategies in LMICs.	AHI-E204: Peter Ntimoa	TBD

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Capstone Phase						
Capstone / Mentorship	May 4 – Oct 9	Mentor engagement begins after Month 1	Applied Clinical/Digital Health Project Students identify a live problem, analyze workflow/data, design a feasible informatics solution, and present final recommendations.	Applied Clinical/Digital Health Project Students identify a live problem, analyze workflow/data, design a feasible informatics solution, and present final recommendations.	Capstone mentors	Capstone mentors
Capstone Milestone 1	May 4 – June 7	Mentor recruitment and student-topic matching	Problem identification Students begin identifying real-world data, workflow, reporting, or interoperability problems in their own setting.	Problem identification Students begin identifying real-world data, workflow, reporting, or interoperability problems in their own setting.	Mentors / Faculty	Mentors / Faculty
Capstone Milestone 2	May 25 – June 30	Proposal framing session	Problem statement + objectives Students draft a concise capstone problem statement, define stakeholders, and identify expected outputs.	Problem statement + objectives Students draft a concise capstone problem statement, define stakeholders, and identify expected outputs.	Mentors / Faculty	Mentors / Faculty
Capstone Milestone 3	July 1 – Sept 30	Monthly mentor check-ins	Implementation planning / analysis Students conduct workflow/data analysis, develop solution design, and refine feasibility with mentor input.	Implementation planning / analysis Students conduct workflow/data analysis, develop solution design, and refine feasibility with mentor input.	Mentors / Faculty	Mentors / Faculty
Capstone Milestone 4	Aug 31 – Sept 20	Draft review and feedback	Draft report + presentation Students submit draft deliverables and receive mentor/faculty feedback before final presentation period.	Draft report + presentation Students submit draft deliverables and receive mentor/faculty feedback before final presentation period.	Mentors / Faculty	Mentors / Faculty
Capstone Milestone 5	Sept 21 – Sept 30	Capstone Finalization & Presentations	Final capstone presentation Final student presentations, evaluation, certificate completion review, and program closeout.	Final capstone presentation Final student presentations, evaluation, certificate completion review, and program closeout.	Faculty / Advisory Council	Faculty / Advisory Council