Learn by Doing

The HL7 Fundamentals Course is an asynchronous, online instructor-facilitated course completed at your own pace to meet assignment deadlines. It provides opportunities to apply newly gained knowledge with a set of guided exercises for learning by practice and example.

At the end of the course, participants will be able to:

- Confront a project involving interoperability among disjointed healthcare information systems
- Read the most widely used HL7 standards
- Comprehend the need for controlled vocabularies, master files and entity registries
- Read and write V2.x messages
- Read and write CDA R2 documents
- Understand and create FHIR resources
- Decide when to use each artifact (messages, documents)

Web-Based Training

- HL7 expert teachers are working professionals who help you step-by-step
- Reading materials are developed by HL7 tutors
- Course materials are included electronically
- Discussion forums promote student engagement
- Integration activities are stewarded by the teaching team
- Self-evaluation quizzes test for comprehension
- Tutors provide evaluations for each module

Preconditions / Enrollment Priorities

- Prior experience in HL7 not required

How to Enroll

- Visit: www.HL7.org/training/HL7-fundamentals.cfm

PROGRAM

MODULE 1 — INTRODUCTION (TWO WEEKS)
UNIT 1.1 Introduction to Healthcare Interoperability
UNIT 1.2 Introduction to Unified Modeling Language (UML)
UNIT 1.3 Introduction to Extensible Markup Language (XML)

MODULE 2 — HL7 V2.x (FOUR WEEKS)
UNIT 2.1 Introduction to HL7 Version 2.x Data Types, ACK
UNIT 2.2 HL7 V2.x: Patient Administration, Orders and Results
UNIT 2.3 HL7 V2.x: Z-Segments, Implementation, Profiles
UNIT 2.4 HL7 V2x.XML: XML Implementation of V2.x Messaging

MODULE 3 — HL7 CDA R2 (THREE WEEKS)
UNIT 3.1 Introduction to HL7 CDA R2, RIM & Data Types
UNIT 3.2 CDA R2 Architecture: Header, Body and Entries
UNIT 3.3 CDA R2 Implementation Guides
UNIT 3.4 CDA R2 Entries: Clinical Statement

MODULE 4 — HL7 FHIR (ONE WEEK)
UNIT 4.1 Introduction to FHIR

MODULE 5 — PROJECT COMPLETION (TWO WEEKS)

PRICING

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<th>Student</th>
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Group Discounts for Members

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*For Lower and Middle Income Economies as determined by the World Bank. Visit data.worldbank.org/country to view classifications

*Health Level Seven, HL7, CDA, and FHIR are registered trademarks of Health Level Seven International, registered in the U.S. Trademark Office.
INTRODUCTORY ONLINE COURSE:  
HL7 STANDARDS V2, CDA® & FHIR®  
Creating and exchanging electronic healthcare information

What

An introductory asynchronous online course covering HL7 standards V2, CDA and FHIR:
- 12 topics over 12 weeks via guided real-world exercises with instructor assistance and feedback via the web with an interactive community of participating students and instructors.
- A typical week includes:
  ▪ Reading materials
  ▪ Interaction with the instructor, tutors and peers in discussion forums
  ▪ Application based exercises
  ▪ Evaluation and feedback from tutors and instructor

Why

Learn about creating and exchanging electronic healthcare information for:
- Pharmacy orders and prescriptions
- Laboratory test orders and results
- Patient administration notifications (admission, transfer, discharge)
- Scheduling
- Continuity of care, discharge summary, referral letter, consultation notes
- Pathology, imaging reports

Who?

This course is developed for:
- Newcomers and/or those who need to know HL7 standards for their jobs in hospital, clinical, government, research, and/or public health IT environments
- People with no prior experience with HL7 standards
- Those who wish to gain an overall technical experience of HL7 standards

About HL7 International

Founded in 1987, Health Level Seven International, Inc. (www.HL7.org) is a not-for-profit, ANSI-accredited standards developing organization dedicated to providing a comprehensive framework and related standards for the exchange, integration, sharing and retrieval of electronic health information that supports clinical practice and the management, delivery and evaluation of health services.

Please contact Sadhana Alangar, PhD for any questions regarding this course at sadhana@HL7.org