



2011  
Global Release

1st Edition: Starts March 15 th  
2nd Edition: Starts August 16 th

# Announcing the global release of the HL7 e-Learning Course

## Introductory online course: HL7 Standards V2, V3, CDA Creating and exchanging electronic healthcare information

Founded in 1987, Health Level Seven, Inc. (<http://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.

### Learning by Doing

The **HL7 e-Learning Course** is fundamentally different with regard to an exposition course. It is a web-based workshop, a set of guided exercises that teaches by practice and example, not by exposition.

At the end of the course, participants should:

n Know **how to confront a project** involving interoperability among disjointed **healthcare information systems**.

n Know **how to read the most widely used HL7 standards**.

n Understand the **need for controlled vocabularies**, master files, and entity registries.

n Read and Write **V2.X messages**.

n Read and Write **V3 messages**.

n Read and Write **CDA R2 documents**.

n Know **when to use** each artifact (messages, documents).

### Web-Based Training

n HL7 Certified Teachers helping you step-by-step.

n Reading material developed by our tutors.

n Bibliographic material.

n Discussion forums.

n Glossary.

n Integration activities stewarded by the teaching team.

n Self evaluation quizzes.

n Tutor evaluation for each module.

### Program

#### MODULE 1 - INTRODUCTION (THREE WEEKS)

- UNIT 1.1 INTRODUCTION TO HEALTHCARE INTEROPERABILITY
- UNIT 1.2 INTRODUCTION TO VOCABULARIES IN HEALTHCARE
- UNIT 1.3 INTRODUCTION TO UNIFIED MODELING LANGUAGE (UML)
- UNIT 1.4 INTRODUCTION TO EXTENSIBLE MARKUP LANGUAGE (XML)

#### MODULE V - 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 T - HL7 V3 (FOUR WEEKS)

- UNIT 3.1 INTRODUCTION TO HL7 V3
- UNIT 3.2 REFERENCE INFORMATION MODEL RIM / DERIVED MODELS
- UNIT 3.3 HL7 V3 DATA TYPES AND THEIR XML REPRESENTATION
- UNIT 3.4 HL7 V3: FROM THE MODEL TO THE MESSAGE

#### MODULE C - HL7 CDA R2 (THREE WEEKS)

- UNIT 4.1 INTRODUCTION TO HL7 CDA R2
- UNIT 4.2 CDA R2 ARCHITECTURE: HEADER, BODY AND ENTRIES
- UNIT 4.3 CDA R2 IMPLEMENTATION GUIDES
- UNIT 4.4 CDA R2 ENTRIES: CLINICAL STATEMENT

HIE \* Other

FC: Full Course (4 modules)	\$ 500	\$ 250
P1: Only Intro, V3 and CDA	\$ 450	\$ 225
P2: Only Intro and HL7 V2.x	\$ 400	\$ 200
P3: Only Intro and HL7 V3	\$ 400	\$ 200

### Preconditions / Enrollment priorities

- n Prior experience in HL7 not required.
- n Priority enrollment will be given to newcomers.

### How to enroll

n contact the HL7 E-Learning Course Administrator: [eLearning@HL7.org](mailto:eLearning@HL7.org)

If you need more information contact the HL7 E-Learning Course Administrator: [eLearning@HL7.org](mailto:eLearning@HL7.org)

\*Note: HIE are High Income Economies as of World Bank Classification:

<ul style="list-style-type: none"><li>Andorra</li><li>Antigua and Barbuda</li><li>Aruba</li><li>Australia</li><li>Austria</li><li>The Bahamas</li><li>Bahrain</li><li>Barbados</li><li>Belgium</li><li>Bermuda</li><li>Brunei</li></ul>	<ul style="list-style-type: none"><li>Canada</li><li>Cayman Islands</li><li>Channel Islands</li><li>Cyprus</li><li>Czech Republic</li><li>Denmark</li><li>Equatorial Guinea</li><li>Estonia</li><li>Faroe Islands</li><li>Finland</li><li>France</li></ul>	<ul style="list-style-type: none"><li>French Polynesia</li><li>Germany</li><li>Greece</li><li>Greenland</li><li>Guam</li><li>Hong Kong</li><li>Hungary</li><li>Iceland</li><li>Ireland</li><li>Isle of Man</li><li>Israel</li></ul>	<ul style="list-style-type: none"><li>Italy</li><li>Japan</li><li>Kuwait</li><li>Liechtenstein</li><li>Luxembourg</li><li>Macau</li><li>Malta</li><li>Monaco</li><li>Netherlands</li><li>Netherlands Antilles</li><li>New Caledonia</li></ul>	<ul style="list-style-type: none"><li>New Zealand</li><li>Northern Mariana Islands</li><li>Norway</li><li>Oman</li><li>Portugal</li><li>Puerto Rico</li><li>Qatar</li><li>San Marino</li><li>Saudi Arabia</li><li>Singapore</li><li>Slovakia</li></ul>	<ul style="list-style-type: none"><li>Slovenia</li><li>South Korea</li><li>Spain</li><li>Sweden</li><li>Switzerland</li><li>Taiwan</li><li>Trinidad and Tobago</li><li>United Arab Emirates</li><li>United Kingdom</li><li>United States</li><li>U.S. Virgin Islands</li></ul>
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Introductory online course: HL7 Standards V2, V3, CDA  
Creating and exchanging electronic healthcare information

## Why

Creating and exchanging electronic healthcare information such as:

- n Pharmacy orders and prescriptions.
- n Laboratory test orders and results.
- n Patient administration notifications (admission, transfer, discharge).
- n Scheduling.
- n Continuity of care / Discharge summary / Referral letter / Consultation notes.
- n Pathology / Imaging Reports.

## What

Introductory online course: HL7 standards V2, V3, and CDA:

- n 16 topics over 14 weeks via guided real-world exercises with instructor assistance and feedback via the web; and with an interactive e-learning community of all students and instructors.
- n A typical week:
  - o Study from reading materials.
  - o Get Help from an instructor through the web.
  - o Apply knowledge through exercises.
  - o Get feedback on your progress.

## Who

- n Prior experience with HL7 standards is not required.
- n The goal of the HL7 e-Learning Course is to provide an overall technical experience of HL7.
- n Especially for newcomers and/or those who need to know HL7 standards for their jobs (in hospital, clinic, government, research, and/or public health IT).

