GE Healthcare Education Services

Essentials of HL7® Course Outline

Course Summary:
This vendor-neutral class prepares the student to configure and troubleshoot HL7. Focusing on V2.x, students will learn to use the HL7 standard as a reference source as well as vendor conformance documents to aid in interface design. Topics include the structure and encoding of common patient administration, order, results, and billing messages, as well as interface design, data mapping, and vocabulary. Common troubleshooting techniques will be discussed and class concepts will be reinforced through use of the HL7 Messaging Workbench software.
This instructor-led course is open to anyone wanting a more in-depth insight into HL7, regardless of equipment choice in the healthcare environment.

Course length:
3 days

Pre-requisites/Required Skills/Pre-course Work:
Basic computer skills recommended

Location:
GE Healthcare facilities in Wisconsin
GE Healthcare facilities in Florida
At customer locations

Objectives:
- Identify the purpose of HL7 within a healthcare setting
- Identify the relationship between workflow and dataflow in an HL7 environment
- Evaluate the advantages and disadvantages of point-to-point interfaces and HL7 engines
- Use the HL7 V2.x standard for structure and encoding rules
- Analyze common patient administration, order, results, and charges messages for conformance to the HL7 standard
- Perform basic troubleshooting using the HL7 Messaging Workbench software
- Explore key components of the interface design process

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Equipment reviewed:
HL7 Messaging Workbench

Related courses:
Essentials of DICOM

Student requirements:
None

Intended audience:
Nursing Informatics
PACS administrators
Biomedical engineers
IT technicians

Capacity:
Minimum 6 and maximum 10

Other:
Class can be held at remote locations

Price:
$2350

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