eLearning for eHealth at Mohawk College

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• Medium Sized College in Hamilton, Ontario Canada
  – ~10,000 Full-time students
  – ~1,000 International Student Enrollment
• Founded in 1966
• Specialization in Health and Technology
• Applied Research Centre started in 2007 in eHealth
  – First Applied Research Centre for eHealth in Canada
Whom Do We Teach?

• Three groups
  – Full-Time Post Secondary Students
    • Full-time (16-20 hrs/wk)
    • Ontario Advanced College Diploma credential in Software Development (3 yrs)
  – Continuing Education Students
    • Part-time after hours students (4 – 8 hrs/wk)
    • Ontario College Certificate (1 yr) or Post-Graduate Certificate (1 yr)
  – Professionals
    • 4 – 8 hour courses
    • Professional Development only, certificate currently under review
Materials

• Practical Systems
  – College has received $1.8M for infrastructure supporting students
  – Complete IHE based infrastructure deployed on campus with ~12,000 fake patient records
    • IAHS (Nursing & MedRadSci school) source of this data
  – EMR package utilized is OSCAR (local project)
Methods

• Use “Lego brick” method for eHealth courses
  – Small self-contained topics that can be delivered, combined, repurposed easily.

• Course Delivery
  – College has a campus-wide LMS (Desire2Learn)
  – Lecture Capture & Smart Board Capture done via Panopto & Kaltura
  – Synchronous lectures also done via Google Hangouts & Webex

• Post Secondary / CE
  – Offered as “blended learning”
    • Mix of in-person, and synchronous online delivery
  – Evaluations: Project based & lab work

• Professional
  – Offered as wholly asynchronous online learning
  – Series of 10 - 15 minute videos followed by 5 minute quiz
  – 4 hours of content.
Sample “Lego Brick” Courseware

Video / Saved Webcasts

Reading Assignments

Quizzes / Question Banks

Purpose
This reading assignment seeks to improve the reader’s understanding of the IT Infrastructure Technical Framework Volume 2, with a focus on the Patient Identity Feed (ITI-B) transaction for HL7 from a technical perspective.

Task
Read the IT Infrastructure Technical Framework Volume 2 document [http://mohawkcollege.edu/Documents/ITI/ITI_TF_V2.pdf] focusing on section 3.8. Pay careful attention to the following:
- Section 3.8.4.1.1 Trigger Events
- Section 3.8.4.1.3 PID Segment definition
- Section 3.8.4.1.3 Expected Actions of the ITI manager

Additional Reading
The IT Infrastructure Technical Framework Volume 2 document [http://mohawkcollege.edu/Documents/ITI/ITI_TF_V2.pdf] identifies a transaction named “Patient Identity Management” on ITI-B. While the actions involved in ITI and POI are not required to implement the messages listed in this transaction, it does provide very detailed documentation about the common message segments used for ITI and POI actors and transactions (ITI-B, ITI-9, ITI-0B, ITI-21).
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<td>CDA</td>
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