SNOMED CT Implementation E-Learning Course
Call for Applications

Introduction

IHTSDO is pleased to invite applications from people who have successfully completed the SNOMED CT Foundation E-Learning Course and who now wish to take the SNOMED CT Implementation Course.

Course intakes

The current provisional dates for future intakes to this course are as follows:

- 1st September 2016   (application cut-off 15th July 2016)
- 3rd January 2017   (application cut-off 15th December 2016)
- 1st May 2017   (application cut-off 15th March 2017)
- 4th September 2017   (application cut-off 15th July 2017)

Each course lasts for six-months and follows timetable with fixed target and deadline dates for each module. Those missing a deadline will be automatically deferred to join the next intake at the point they had reached when missing the deadline. The deferral is automatic because interactive group activities involving all participants need to be scheduled within two-week timeframe.

Objectives

This course will build on knowledge gained during the SNOMED CT Foundation course. The objective is to provide an understanding of SNOMED CT that is sufficient for those engaged in various parts of the implementation process – from the decision to adopt SNOMED CT, through to specification and procurement and/or design and development of SNOMED CT enabled solutions, to deployment and practical use.

How much do I need to know about SNOMED CT before I start?

Before applying for the SNOMED CT Implementation course you need to successfully complete the SNOMED CT Foundation Course, demonstrating a good grasp of the broad range of basic topics taught during that course.

What other knowledge and skills are required?

Those entering the course should have a good understanding of at least one system or environment in which SNOMED CT can be used. This might be technical or practical knowledge of electronic health record design, decision support, clinical data storage, retrieval or analytics.

Knowledge and experience of some aspects of system design, development or deployment will also be valuable to provide a context for understanding the design and role of SNOMED CT. As a minimum, some practical experience of design or development of a database or spreadsheet will be useful.

Will this course be available in other languages?

This course will be taught in English and all assessments are also in English.

We regret that IHTSDO is unable to provide this course in any other language at this time.

- IHTSDO will encourage and support Member countries that wish to provide tutored sessions in other languages to assist the progress of those taking the course.

- IHTSDO will also share the course materials with Member National Release Centers that wish to translate all or part of this course.

Why should I take this course?

The topics taught in this course will be of direct value if you are engaged in any aspect of implementation of SNOMED CT. The level of technical detail covered in this course provides a practical working understanding of SNOMED CT that goes well beyond that available in the Foundation course.

Webinar sessions and online opportunities to pose questions and engage in discussions with others on the course will add to the learning experience.

If you successfully complete the course, then you will receive a completion certificate. The certificate will record the level of knowledge and understanding of SNOMED CT that you have demonstrated.

How much does the course cost?

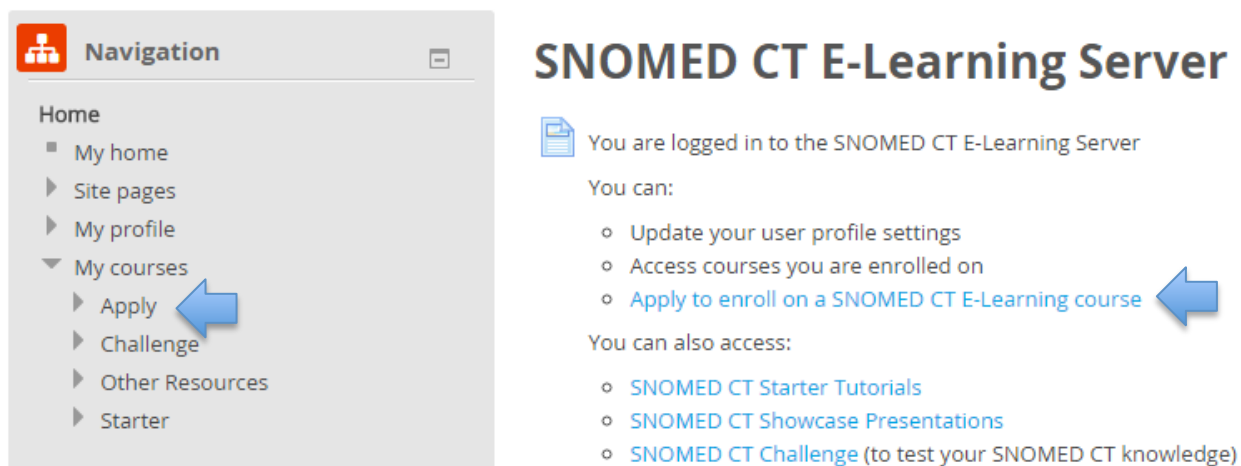The course is free of charge and does not require any travel.

You are responsible for ensuring that you have a computer with a reliable Internet connection that is able to access online presentations, assessments and webinars.

How much of my time does the course require?

On average we expect each of the six course modules to require 15 to 18 hours (total 90 to 100 hours). Most of that time is for study, which you can fit in at a time that suits you. However, each module should be completed within a scheduled four-week period to enable involvement in the relevant webinar. Those who have a detailed knowledge of SNOMED CT may need less time. Some learners whose first language is not English may require additional time.

How do I apply to take the Implementation Course?

To apply please login to the SNOMED CT E-Learning sever[1]. Then navigate to the SNOMED CT Implementation Course Application form (or follow one of the two links on the front page indicated in the image below). Then simply answer the questions on the application form and submit.

What is the deadline for applications?

Applications will remain open indefinitely. However, applications less than four weeks before an intake date will not be considered for that intake.

How are applications processed?

All applications received up-to four weeks before an intake date will be reviewed. Only applications from people who fulfill the entry requirements in relation to successful completion of the Foundation course will be considered further. The following criteria will then be applied, as agreed with Member representative on the E-Learning Advisory Group:

- To ensure that opportunities to take this course are available to all Member countries the total number of participants from any one country may be limited.

- Timely progress and completion grades in the Foundation course may be used to give priority to applicants most likely to apply themselves to and benefit from the course.

- Applications from Member countries may be shared with an education representative nominated by that Member to assist selection. In particular they will be invited to:

  o Identify applicants who after completion of the course will support future applicants from that Member country taking E-Learning courses.

  o Prioritize applicants with key roles in national strategic activities related to SNOMED CT adoption, implementation and deployment.

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[1] If you do not have an E-Learning Server account you are not eligible for this course. You must first create an account and then apply for and complete the SNOMED CT Foundation Course.

When will I know if my application is accepted?

We plan to notify applicants accepted for each intake at least two weeks before the scheduled start date. At the same time, we will also notify applicants who could not be accommodated in that intake of the date of a future intake for which they have been provisionally booked. Those who are offered places will be asked to confirm acceptance within seven days. Unconfirmed places may be offered to someone on the waiting list.

Applications received less than four weeks before a planned intake will not be considered for that intake and may not receive a formal offer until applications are considered for the next intake.

Places will not be offered to anyone who has <u>not</u> successfully completed the Foundation Course at the time the application is submitted. So be sure you complete the course before submitting your application.

What happens if my application is not accepted?

The interactive elements of this course limit course capacity as they place demands on specific IHTSDO staff. Therefore, it is possible that we may be unable to offer places to everyone who meets the prequalification requirements. In this case you will be placed on a waiting list and we hope to be able to offer you a place if someone cancels. We are working with our Members to identify additional resources that could increase future capacity, so while we may not be able to guarantee places on this course our intention is to address any mismatch between demand and capacity as soon as possible.

If you have <u>not</u> met the requirements for entry, you will need to reapply after successfully completing the Foundation Course.

How is the course taught?

This course is taught using the following distance learning methods:

- E-Learning presentations including audio narrative
    - Eight presentations (on average) to be viewed in each month of the course
    - Each presentation lasts between 15 and 30 minutes
    - Option to pause, resume and review parts of each presentation any number of times

- Directed study
    - References to relevant freely available web-based documents and resources that can help to enhance your understanding of topics covered in the E-Learning presentations

- Online self-assessments
    - Assessment questions posed during presentations and/or as separate tests to stimulate learning and allow you to assess your own progress

- Interactive services including
    - Webinar discussions on some of the key topics (scheduled at times convenient for different time-zones)
    - An online Q&A forum on which to ask questions on topics currently being taught.

How will successful completion of the Implementation Course be assessed?

Successful completion of the course requires all the following conditions to be met:

- All E-Learning presentations viewed within the relevant 4 week period of the course;
- Passing interim online assessments;
- Engagement in webinars and other interactive elements of the course;
- Passing a final online assessment at the end of the course.

Those who successfully complete the course will be issued with a graded completion certificate.

What topics does the Implementation Course cover?

The outline below shows the topics covered in each of the six Implementation Course modules.

Module A **Adoption and Planning**	Module B **Design – Terminology Content**
• Implementation Course Introduction • Business Case for Implementation • Implementation Examples • Licensing and distribution • SNOMED CT in EHRs • Implementation Overview • Implementation Approaches • Implementation Services and Tools	• SNOMED CT Content Hierarchy • Concept model – overview • Concept model – clinical findings • Concept model – procedures • Concept model – pharmaceuticals products, substances and physical objects • Concept model – anatomy (current) • Concept model – situations with explicit context • Concept model – others
Module C **Design – Terminology Services**	Module D **Design – EHR Services**
• SNOMED CT Logical design • Introduction to Relationship Views and Transforms • Release Format 2 – Files and formats • Release Format 2 – Versioning • Reference Sets – Definitions • Reference Sets – Types • Expressions • Expression Constraints • Subtype Testing – Concepts • Subtype Testing – Expressions	• URI Standard • SNOMED CT in Information Models • Interface Terminology • Searching SNOMED CT • Data Entry • Retrieval and Analytics • Communication (SNOMED CT in Messaging Standards) • Storage of SNOMED CT
Module E **Development**	Module F **Deployment and Use**
• SNOMED CT Extensions – Content • SNOMED CT Extensions – Technical • Options for Handling Missing Content • Importing Release Files • Accessing Components • Mapping Basics • Mapping to ICD-10 • LOINC and SNOMED CT	• Creating, Distributing and Sharing Subsets • Maintenance and Change Management • Description Logic – Application (OWL File Conversion) • Description Logic – Advanced • Migration from Legacy Systems • Tooling Case Studies • Implementation Case Studies