



**International
Standard**

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**Information technology for
learning, education and training —
Online course information model**

*Technologies de l'information pour l'apprentissage, l'éducation et
la formation — Modèle d'information pour les cours en ligne*

**First edition
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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 36, *Information technology for learning, education and training*.

Any feedback or questions on this document could be directed to the user's national standards body. A complete listing of these bodies can be found at <http://www.iso.org/members.html> and <http://www.iec.ch/national-committees>.

Introduction

The role of online learning within formal education and training has developed considerably since the advent of the world wide web. During the public health emergencies, this mode of teaching and learning was pivotal in maintaining continuity of delivery and access. As a result, there is renewed attention on issues associated with efficiency and interoperability of the systems that support online learning.

The primary purpose of this document is to:

- a) provide an information model that identifies opportunities for course interoperability;
- b) promote course sharing among different institutions and learning management systems, i.e. course information sharing and course importation and exportation;
- c) specify common elements of an online course for participants and suppliers using ISO/IEC 19788-1:2024 [\[1\]](#);
- d) enhance user experience of participants and interested parties; and to
- e) guide e-learning related suppliers to provide more quality products and services.

Information technology for learning, education and training — Online course information model

1 Scope

This document presents an online course information model, highlighting common elements and their descriptions. This document also describes online courses. Its purpose is to support conceptual understanding of online courses and instructional strategies in online education. This model can be used to inform about the design and development of online courses, and to support migration of online courses between different platforms under the premise of copyright transfer.

The information model of online courses can be extended based on metadata of learning resource (MLR) rules.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4217:2015, *Codes for the representation of currencies*

Bibliography

- [1] ISO/IEC 19788-1:2024, *Information technology for learning, education and training — Metadata for learning resources — Part 1: Framework*
- [2] ISO 15836-1:2017, *Information and documentation — The Dublin Core metadata element set — Part 1: Core elements*