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**Course development guide for education about standardization
- Fundamentals of quality management**

标准化教育课程建设指南 质量管理基础

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Foreword

This document is a standard or guiding technical document. This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Standardization Education Standardization Working Group (SAC/SWG27). This document was drafted by: Shenzhen Technology University, Shenzhen Quality Standard Technology Co., Ltd., China Jiliang University, Nantong University of Science and Technology, and Guangdong Polytechnic University.

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This document aims to implement the "National Standardization Development Outline" and the "Special Action Plan for Standardization Talent Training (2023-2025)". The requirements are to standardize the content and methods of basic quality management education, improve the quality and efficiency of standardization talent training, and promote the sustainable development of the quality standards industry. This document is hereby formulated for the purpose of promoting development. This document aims to provide directional guidance for standardized education courses on the fundamentals of quality management in general higher education, and provides the following curriculum guidelines. Specific suggestions regarding setup, implementation, and evaluation help popularize basic standardization education in quality management and enhance learners' overall skills. Meanwhile, this... The document also provides a reference for standardized quality management courses in vocational education, continuing education, and social training institutions, which helps to cultivate talents with... This will cultivate practical, multi-skilled, and professional talents with standardized awareness, concepts, and practical abilities, thereby broadening the pathways for national standardization talent training and

contributing to our country's... It provides talent support for the country's implementation of the standardization strategy and the development of new quality productivity. Standardized Education Curriculum Development Guidelines. Quality Management Fundamentals

1 Scope

This document gives guidance on building a course on the fundamentals of quality management within standardization education: what the syllabus should cover, how it should be structured, and what a student should be able to do at the end of it. China teaches standardization as a university subject in its own right, which most countries do not, and this document is part of how that subject is kept consistent across institutions. It is aimed at higher education, with vocational and continuing education able to use it as a reference. Issued on 28 January 2026 by SAMR and SAC as a guiding technical document, under the technical jurisdiction of the Standardization Administration of China. It is an unusual item in a standards catalogue - a curriculum rather than a specification - and useful to anyone trying to understand how Chinese engineers are taught to think about quality.

This document establishes the general principles for developing a foundational quality management course and provides guidelines for course design and curriculum development. Guidance on implementation and assessment, course evaluation and improvement, etc. This document applies to the development and implementation of foundational courses in quality management in general higher education. It also applies to vocational education, continuing education, and social training programs. This model can be used as a reference for the development of basic quality management courses.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 19000 Quality Management Systems. Fundamentals and Vocabulary

GB/T 19001 Quality Management System Requirements

GB/T 43294 Terminology for Education and Learning Services GB /Z 43946 Guidelines for the Construction of Standardized Educational Curricula. Basic Knowledge of Standardization GB /Z 45492 Guidelines for the Construction of Standardized Educational Curriculum; National Quality Infrastructure (NQI) and its Application

3 Terms and Definitions

The terms and definitions defined in GB/T 19000, GB/T 43294, and GB /Z 43946, as well as the following terms and definitions, apply to this document.

3.1 The fundamental theories, basic principles, basic methods and tools of quality management.

Note. This covers quality management systems, quality standards, quality inspection, quality control, quality improvement, quality culture, and quality cost management.

4 General Principles

4.1 Systemic Curriculum development needs to be integrated with the professional curriculum system, and should be systematic in terms of teaching content, resource allocation, implementation methods, and evaluation methods. Considerations.

4.2 Compliance The course's objectives, content, and implementation align with current and future quality management needs and industry trends.

4.3 Practicality Curriculum development should be guided by the needs of social practice, with the cultivation of basic application skills in quality management as its core, and should be achieved through scientific and reasonable practical teaching. Learning activities apply theoretical knowledge to practice, cultivating learners' innovative thinking and problem-solving abilities.