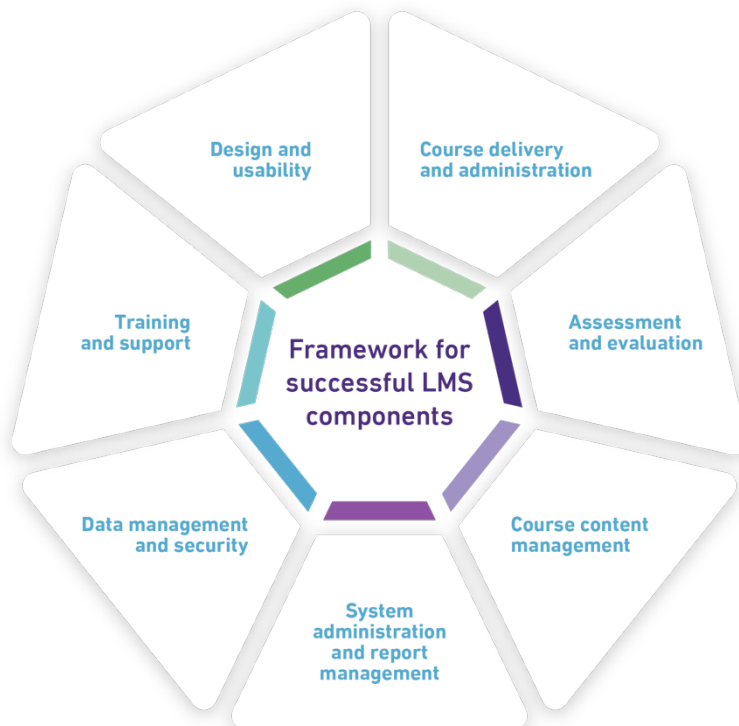


LMS Framework



LMS Framework



The Learning Management System (LMS) is an integrated online system that provides a set of interactive services for managing and creating courses, providing learning and examinations tools, tracking learner performance and reporting. The National eLearning Center (NELC) has issued the Learning Management Systems Framework to promote the LMS quality through providing successful components to be implemented in the eLearning environment.

Course delivery and administration

- Robust capabilities for content and file organization and management required.
- Robust communication capabilities for synchronous and asynchronous communication between and across user roles.
- Capability to embed/import and author rich content across content types.
- Support for Learning Tools Integrations and third-party content.

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- Calendar and selective release features allow for tracking of assignments.
- Collaboration and social learning tools, including discussion boards, capability to create groups/sub-groups, and integration with file sharing tools and cloud storage solutions
- Online help and support for learners.

Course content management

- Ability to organize content in and pull from a digital repository for content across subject areas, including varied file formats for universal access.
- Rich content and media creation, including SCORM content.
- User content download/upload available for offline use.
- Search functionality.

Assessment and evaluation

- Capability to create and grade multiple assessment types: quiz/test, file/link submissions, discussions.
- Quizzing/testing tool supports multiple question types.
- Ability to selectively release assignments based on time, date, learner ID, and other criteria.
- Gradebook entry and access for learners to track and gauge their own progress.
- Gradebook export to student information systems (SIS) and other report.
- The ability to link competencies and goals to performance and evaluation rubrics.

System administration and report management

- Ability to archive, copy, and migrate existing courses, templates, and course files and templates.
- Ability to grant access and assign privileges to roles at systems, course, and course group levels.
- Ability to send notifications from multiple user roles across the system, including notifications from supervisors, administrators, and teachers.
- Ability to create standard reports across user roles, courses/trainings, as well as qualifications and program completion.
- Ability to track and log learners' activity, including content engagement, assessment completion/submission and interactions.

Data management and security

- Encryption of secure and sensitive data.
- Integration with student information systems, human resource management systems, and data management systems.
- Authentication at industry standards for single sign-on (SSO) and other authentication protocols.
- Regular system updating, backup, and security.

Training and support

- Available online and/or print knowledge base, training materials, and how-to guides for multiple user roles.
- Available opportunities for professional learning support across user roles, via formal trainings, webinars, and dedicated staff support.
- Live support via phone, help ticket and support form submission.

Design and usability

- Clear navigation and usable interface across user roles for navigating through courses, modules/content, notifications, and reports.
- Responsively designed to support mobile devices and agnostic with respect to device types/platforms.
- Multiple language support.
- Support for accessibility considerations, including captioning and screen readers.