Learning Managment System Tools

- CANVAS
- MOODLE

CANVAS

Brief Description:

Canvas connects instructors and students and is used to monitor grades, manage active enrollments and assignment submissions, share course documents, facilitate message correspondence between students and instructors and contain course and institutional syllabus information for all to access.

Specifications:

Target group	Canvas includes the following six standard user roles: Admin, Instructional Designers, Students, and Observers. • Participants (ideal): 10-1500 per course
Objectives	• Allow institutions to manage digital learning, educators to create and present online learning materials and assess student learning • Allow students to engage in courses and receive feedback about skill development and learning achievement
Formats	

Requirements	**Technical Requirements:**
	• *Supported Browsers*:
	  ◦ Internet Explorer, Chrome, Firefox, Edge, Safari
	
	Computer Specifications:
	• ***Screen Size***
	  ◦ A minimum of 1024x600. That is the average size of a netbook.
	
	• **Operating Systems**
	  ◦ Windows XP SP3 and newer
	  ◦ Mac OSX 10.6 and newer
	  ◦ Linux - chromeOS
	
	• **Mobile OS Native App Support**
	  ◦ iOS 5 and newer
	  ◦ Android 2.3 and newer versions
	
	• **Internet Speed**
	  ◦ Along with compatibility and web standards, Canvas has been carefully crafted to accommodate low bandwidth environments
	  ◦ Minimum of 512k

License / Cost	Several different license models
Link to Tool	Instructure Canvas

Additional format/references:

John, R. (2021). Canvas LMS course design. Packt Publishing Ltd.

Fernández, A. R., González, F. S., Merino, P. J. M., & Kloos, C. D. (2017). A Data Collection Experience with Canvas LMS as a Learning Platform. In *LASI-SPAIN* (pp. 109-123).

https://www.instructure.com/canvas/en-gb/resources/e-books

https://www.instructure.com/canvas/en-gb/resources

Canvas LMS YouTube Channel

MOODLE

Brief Description:

Moodle™ delivers a powerful set of learner-centric tools and collaborative learning environments, that empower both teaching and learning. Moodle™ is web-based and features a mobile-compatible interface, making it accessible from anywhere in the world across different web browsers or devices.

Specifications:

Target group	Educators and trainers in schools, universities, and workplaces.
	• Participants:
	  ◦ Possible: 2000 +
	  ◦ Ideal: 100-200 per course

Objective	To provide educators, administrators, and learners with an open, robust, secure and free platform to create and deliver personalized learning environments.
Formats	
Requirements	**Technical Requirements** Installing Moodle on the on-premises server requires a web server with PHP and a database system. Alternatively, you can also install Moodle on your personal computer with a Moodle installer package, based on your operating system, that provides everything required to run the software, including Apache, MySQL, and PHP. The installer packages are available for both Mac and Windows systems. **Supported Browsers:** • Supported by most of the standard-compliant internet browsers like Chrome, Firefox, Safari, and Edge **Computer Specifications** • A minimum of 200 MB of disk space plus as much as needed to store the files. The minimum memory space requirement for Moodle is, thus suggested, 5 GB. • Computer must at least have a 1 GHz processor. However, a 2 GHz dual-core or faster processor is recommended. • A minimum of 512 MB of RAM, while 1 GB or more of RAM is recommended on a computer and 8 GB or more of RAM on a large production server. **Server Requirements** • It is recommended to download and install the latest versions of the software and operating systems, while the minimum requirements are Moodle 3.5 or later versions, PHP 7.2.0 for up to Moodle 3.8, and PHP 7.3.x and 7.4.x for Moodle 3.8 onwards. **Database Requirements** • Moodle will need one of the PostgreSQL 9.6, MySQL 5.7, MariaDB 10.2.29, Microsoft SQL Server 2012, and Oracle Database 11.2 or the latest stable version of them. While Moodle supports all these database servers, it is recommended to upgrade your software to the latest version before installation.
License / Cost	Several different license models
Link to Tool	Moodle - Open-source learning platform | Moodle.org

Additional format/references:

Melton, J. (2006). The LMS Moodle: A usability evaluation. *Languages Issues*, *11*(12), 1.

Simanullang, N. H. S., & Rajagukguk, J. (2020, February). Learning Management System (LMS) Based On Moodle To

Improve Students Learning Activity. In *Journal of Physics: Conference Series*(Vol. 1462, No. 1, p. 012067). IOP Publishing.

Zabolotniaia, M., Cheng, Z., Dorozhkin, E., & Lyzhin, A. (2020). Use of the LMS Moodle for an effective implementation of an innovative policy in higher educational institutions. *International Journal of Emerging Technologies in Learning (iJET)*, *15*(13), 172-189.

Kerimbayev, N., Nurym, N., Akramova, A., & Abdykarimova, S. (2020). Virtual educational environment: interactive communication using LMS Moodle. *Education and Information Technologies*, *25*(3), 1965-1982.

Using Moodle to Create Online Courses: A Comprehensive Tutorial for the Faculty - Part 1 of 2 - YouTube

ACCESS

African Centre for Career Enhancement & Skills Support (Access)

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