

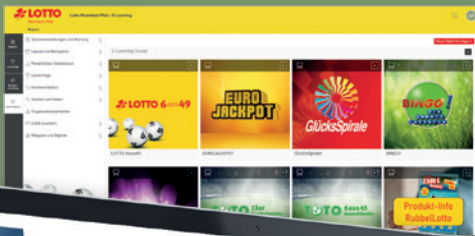
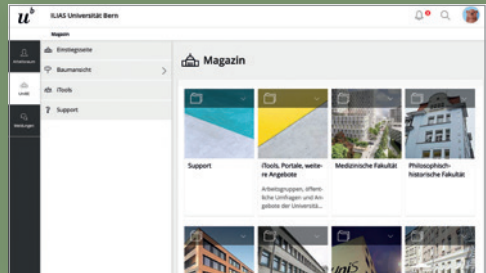
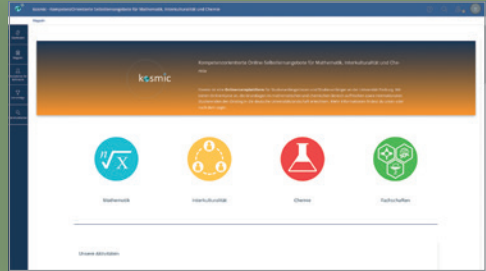
E-LEARNING WITH ILIAS: SOVEREIGN FLEXIBLE SECURE

THE OPEN SOURCE LEARNING PLATFORM
FOR BUSINESS, SCHOOLS, COLLEGE AND
PUBLIC SERVICE

The ILIAS logo consists of a dark blue square containing the word "ILIAS" in white, uppercase, sans-serif font, followed by a registered trademark symbol (®).

ILIAS®

ILIAS




INTRODUCTION

ILIAS - The open source learning platform

ILIAS is powerful and flexible software for web-based learning and working. Far beyond the possibilities of a traditional learning management system (LMS), ILIAS can be used in a wide variety of contexts as a learning, knowledge and cooperation platform.

ILIAS is therefore not only used for working in courses and groups or for file sharing. It also serves as a review platform or as a work environment for projects. ILIAS allows the collection of data and survey results, as well as the creation of learning content with the built-in editor.

Thanks to its open source software licenses and vibrant development, support and user community, ILIAS can be tailored exactly to the needs of your institution or company. ILIAS installations look very diverse and distinctive in practice, just as it is necessary for each case.

An abstract graphic at the bottom of the page features several thick, colorful lines in shades of teal, orange, yellow, and purple. These lines are interconnected by various arrowheads and corner brackets, creating a sense of movement and flow. The lines and arrows are set against a white background, with some lines curving and others pointing in different directions.

ILIAS is a flexible learning and work environment with a lot of powerful tools already included in the system by default. This is indicated by the first "I" in the acronym ILIAS. ILIAS stands for an Integrated Learning, Information and collAboration System.

ILIAS makes it possible

A comparison of different learning platforms quickly becomes an apples and oranges comparison. For example, the character of an open source system differs fundamentally from the commercial offering, but there are also crucial differences within the field of open source.

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Learning in ILIAS does not always mean "Learning in courses". Instead, you decide on your didactic approach: from formal to informal, from tightly supervised to completely open. Thanks to the combination of different tools, you have almost unlimited possibilities.

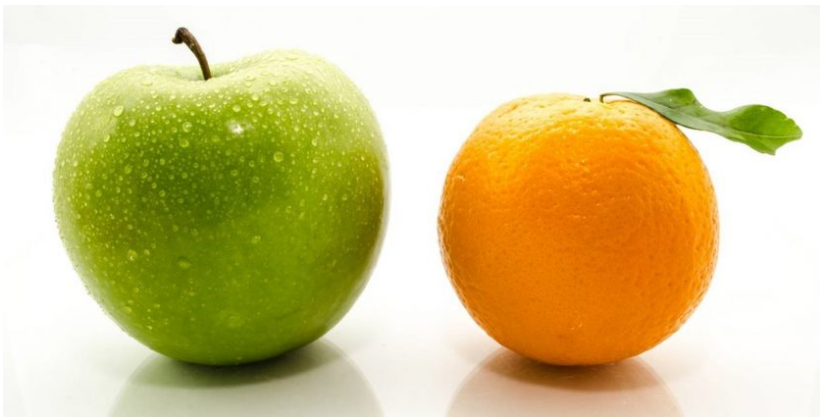
ILIAS can be structured according to your requirements.

All learning opportunities and materials are stored in one repository. You can run this repository as a public library and offer it as freely explorable. Then ILIAS becomes an open knowledge and collaboration platform.

However, you can also save your offer in protected areas and make it accessible only to selected people.

In addition, you can decide for yourself whether you only make a distinction between students, teachers and administrative staff – or whether you want to map out your entire organizational structure in ILIAS. For example, managers can view the learning progress of their own employees, but not that of other departments.

In addition to didactics, structuring of content and user rights, you can also freely determine the depth of use at ILIAS: as a total solution for all e-learning ideas or as a building block of a larger whole – ILIAS can therefore be flexibly set up as you need it. And many users who start small, switch completely to ILIAS after some time.



9 reasons why ILIAS is the right choice

1 ILIAS is versatile

Of course you can also use ILIAS for privacy-friendly file delivery - but why limit yourself to that? Course management, learning modules, media players, tests and e-exams, portfolios, surveys, wikis and blogs are available immediately after installation, making ILIAS an 'all in one' e-learning solution. In addition, ILIAS can not only play content, but the built-in editor also makes content creation child's play.

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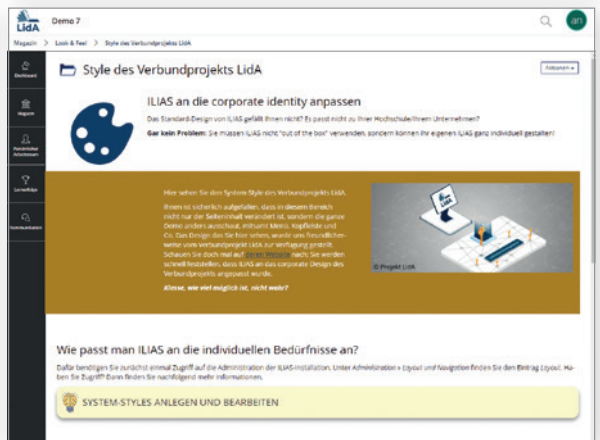
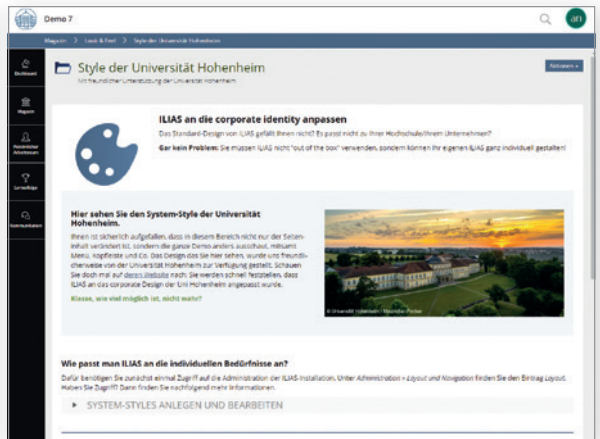
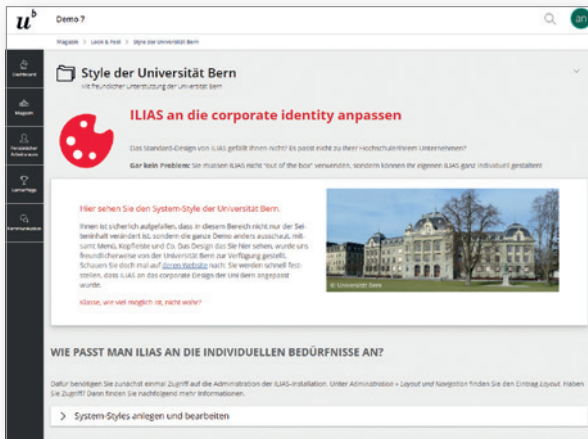
2 ILIAS is yours

Download ILIAS for free and install it on your own servers. The system then runs completely in the internet browser. No additional software is required – neither for teachers nor for students.

As an ILIAS user you never have to pay license fees. You can view and modify the source code. Or you can join the community to contribute your ideas to ILIAS in the long term. Voluntary membership of the ILIAS association is inexpensive and gives you even more influence.



» More about ILIAS association on pag. 12
» Learn more about your influence
on the further development on pag. 14



3 ILIAS adapts to you

Countless people use ILIAS every day without knowing it. Because the appearance of the learning platform can be easily adapted to an existing internet environment. In this way, ILIAS connects seamlessly to the entire website of your organization. Standard stylesheets for learning modules can also be provided. Any author in your organization can then use it for their own content.

However, adaptability is not limited to the interface: functions and tools can be activated or deactivated globally or for individual roles. The structure of the repository, the menus and the user guidance in the system are also freely definable.

4 ILIAS is social

Depending on the usage scenario, it may be helpful to encourage exchange between students and promote group work. So-called "Learning Communities" are easy to implement in ILIAS. Users can then get in touch with each other, set up work groups independently and use all approved ILIAS tools. Personal profiles, 'who's-online?' display, mail, chats and forums help with communication. And our online help explains in context how each tool works.

5 ILIAS is a large community

In development since 1998, ILIAS is now supported by a large number of service providers and more than 70 institutional members in the association ILIAS open source e-Learning e.V. supported. Worldwide there are thousands of active ILIAS installations with millions of users: from German-speaking countries, the Netherlands, Italy, the US and Canada to Japan and Angola. Every year hundreds of ILIAS users personally exchange ideas at our conferences and in user groups. In this way, they find useful solutions, even for difficult questions and complex requirements.



6 ILIAS does not sell anything – not even your data!

Information security and privacy are top priorities in our community. The entire system is GDPR compliant. Because no data flows from ILIAS to third parties, not even to the ILIAS association or the developers involved. You can use the learning platform securely on your own servers and thus maintain control. However, you can open parts of ILIAS to outsiders if necessary.

7 ILIAS is standards-compliant and barrier-free

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Supporting all major industry standards, ILIAS is the perfect team player in your e-learning scenario: xAPI/cmi5, SCORM 1.2 and SCORM 2004 learning modules. LOM metadata. QTI tests and exams. XML, CSV and Excel export of your data. LTI for integrating third-party applications or for serving ILIAS content on third-party systems. The subject of being barrier-free is also of great importance to ILIAS. The system undergoes annual BITV testing.

8 ILIAS is secure

It is now generally known that open software also means secure software. Only if the source code is visible can malicious code be prevented from running undetected on a system with certainty. Therefore, open source software is now widely used in security-critical environments.

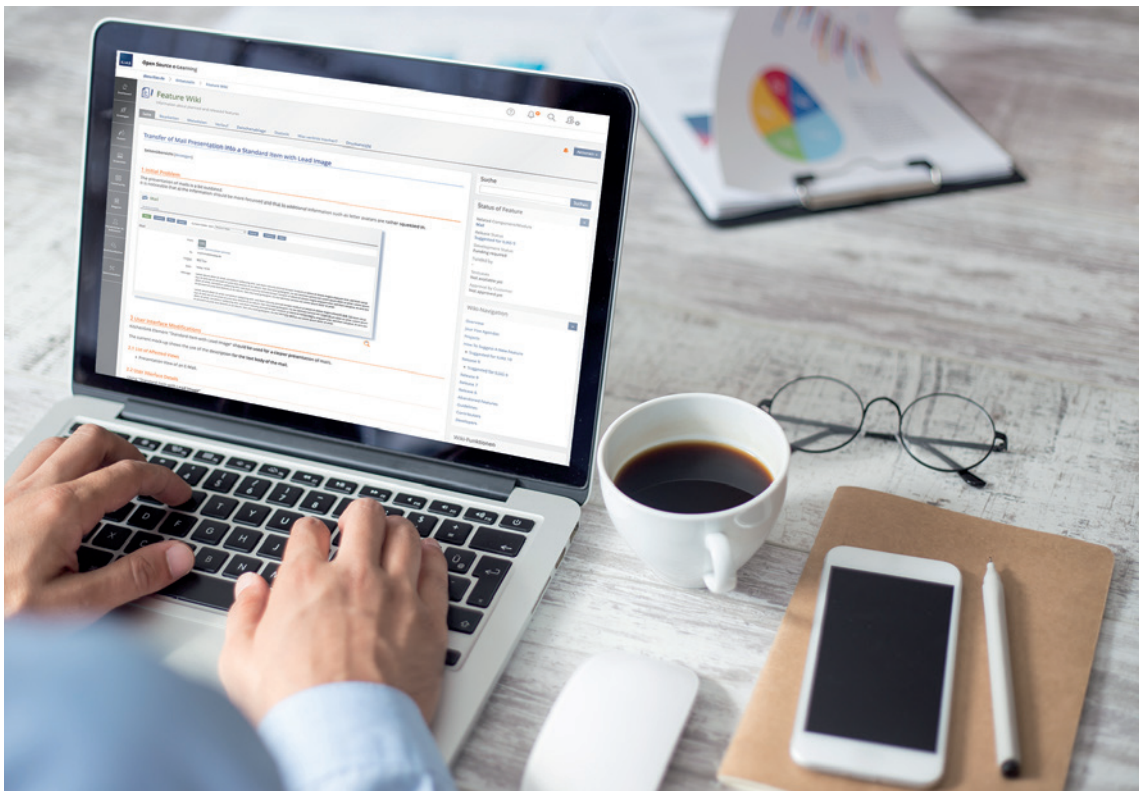
Already in 2008, ILIAS received a certification from NATO to be used, also within the protected intranet of the defense alliance, for the use and dissemination of sensitive learning content and documents.



9 ILIAS meets your requirements

100 or 100,000 users. Desktop or mobile use. Use ILIAS as a simple course player, as a complex authoring tool, as a full collaboration platform – or as a free combination according to your wishes!

Existing third-party systems can be connected via interfaces. For example, you can automatically create user accounts in ILIAS, assign mandatory learning materials to them and then feed the results back to the original system.



ILIAS



UNDERSTAND

The basic idea: Digital sovereignty in e-learning

Proprietary software works like a black box: as a customer you don't know what the code looks like and where the journey is going in further development. Cloud Platforms are often short-lived, adopted or integrated into other products. To make matters worse, it often remains unclear what happens to your data – and which actors have access to it and under what conditions. In contrast, **ILIAS** relies on **digital sovereignty**.

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Digital sovereignty aims to reduce political and economic dependencies in the software sector. This makes it possible to move independently, self-determining and safely in the digital world.

development. It is also a guarantee of development sustainability and independence of business policies from commercial software manufacturers.

With ILIAS you retain full control over your data – and opportunities for decisive participation in the further development of the software. ILIAS has been published as open source software since 2000, making it one of the pioneers in the field of e-learning. The GPL license not only assures users of access to the program code and the possibility for further

Still, you don't have to do everything yourself – or even set up your own development department. If you prefer to leave hosting, administration, further development or didactics to professionals, there are several service providers at your disposal.

The ILIAS Association: having a say in where it's going

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ILIAS was first used at the University of Cologne in 1998 and is now maintained and further developed by numerous dedicated users. The non-profit association ILIAS open source e-Learning has been the home base and publisher of the software since 2009. The association takes on the coordination of software development and process design, it provides the necessary infrastructure for development and quality assurance. It also hosts community events, such as the annual ILIAS conference, development conferences, and user meetings. The association also finances many development projects to improve ILIAS, meet new technological requirements and make ILIAS more user-friendly.

Users, developers, service providers and supporters of the software organize themselves in the ILIAS association - as a private person, as an institution or as a service provider. Through their contributions and donations they ensure the sustainability of ILIAS.

Institutional association membership is significantly cheaper than annual license payments for proprietary software. It also offers you many more possibilities: As a member of the association you can actively participate in the further development of ILIAS in your interest. All members of the association decide on strategy and work at the annual general meeting



of the association. In addition, institutional members and service providers are organized in the advisory board and can exert direct influence on the further development of the software. Members of the association benefit from a discount on participation in the ILIAS

conferences and from additional information offers. Institutional members also have the option to prioritize reported software issues for faster resolution.

»Read more about the ILIAS association on: <https://www.ilias.de/en/ilias-society/>

»The non-profit organization is financed from the contributions of its members. Join today: <https://www.ilias.de/en/join-ilias-society/>

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The community: What makes ILIAS unique

Whether you are a member of the association or not : users of ILIAS are not alone! Many of them have joined forces in regional or national working groups, working together and exchanging information and experiences. Further developments of the software are also regularly initiated by these groups.

With the ILIAS conference, a meeting of the worldwide user community takes place once a year. For software developers, as well as those involved in the concept of new features and participating in the testing process, there are

also the biannual development conferences and topic-specific workshops.

An international network of various service providers has been formed for professional support in setting up ILIAS, for training courses and workshops and for further development of the software. Many of these service providers are also involved in the ILIAS association.

More information about ...

» the regional user groups: regio.ilias.de

» the thematic user groups: sigs.ilias.de

» the annual conference: www.ilias-conference.org

» our service providers: service.ilias.de

Further development: Help to shape ILIAS!

Although ILIAS already has an extensive range of functions, some e-learning scenarios require additional functions. Thanks to the large ILIAS community, new e-learning trends quickly flow into the software and ensure that users always have a modern and powerful product. The quality and compatibility of the respective ILIAS versions are always paramount. This is also ensured by the ILIAS Association with the central release and project management and the clearly defined development process.

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Each user can contribute their own ideas and actively participate in the development, even without programming knowledge. New features are first introduced and discussed in the feature wiki. The core team then decides in a biweekly journal about the inclusion of the function in the core of ILIAS. The product manager of the ILIAS association and a large number of our maintainers are always involved. They are the main developers of ILIAS, each responsible for parts of the total system.

Then the new feature is developed by assigned programmers. After acceptance by the customer, it is made available on the development system. There, the new function is then extensively tested. With the release of the annual major release of ILIAS, it is available for free to all users. The best thing about it: for each upcoming release, the feature will be maintained as needed, retested, and expanded if interested by you or other users.

» *Feature-Wiki for new ideas:*

feature.ilias.de

ILIAS - Development process



* The function/feature is tested and maintained again with every ILIAS version. It can be further developed by other users over the years. When it is no longer needed, it will be deleted.

ILIAS



"ILIAS is firmly anchored in the TH Köln. Due to continuous development, there are always more diverse application scenarios for us. In a transparent development process, the contributions of a wide variety of actors result in powerful but easy to manage software. And membership in the association enables TH Köln to strategically decide which direction to go to."

*Michelle Kubier
Campus IT van de TH Köln*

TARGET AUDIENCES

ILIAS for universities

Numerous universities rely on ILIAS as a university-wide learning platform. It is used for new and proven didactic scenarios, such as the flipped classroom, blended learning and portfolio work. Lecturers are often given far-reaching local rights. This ensures that they not only upload their presentations and scripts, but also use all kinds of tools in ILIAS. Thanks to the well-arranged study center, content is not only found quickly, but also presented in a visually attractive manner - entirely in accordance with the wishes of the university and the individual preferences of the lecturer. In this way, ILIAS becomes the central point of contact for all students.

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Popular at many universities is the use of ILIAS for exams. At a number of universities online exams have been successfully written for years, which are quickly and reliably corrected by ILIAS. Special configuration options ensure safe and technically flawless exams.

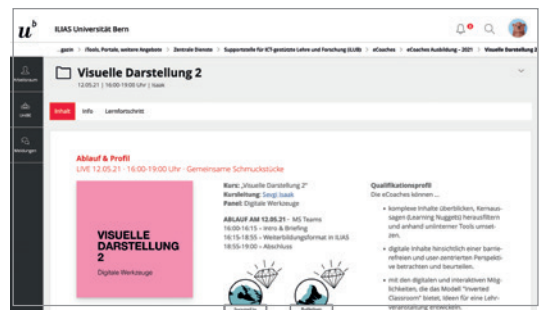
The badges, certificates and learning progress integrated in ILIAS not only serve as an assessment standard for the universities.

Because there is a central place in ILIAS with the *learning results*, where students can view their own learning path.

New ways in learning are explored with the e-portfolio integrated in ILIAS. **Hochschule Bremen**, for example, offers the management of a portfolio as a separate form of examination in some study programmes.

ILIAS is also worthwhile in the field of administration. Course creation and student assignment are often done through linked administration and campus management systems.

At the **Universität zu Köln**, more than 4,000 ILIAS courses are created and used every semester - automatically from the Cologne Campus Management System.



ILIAS for schools

Many schools have discovered the benefits of ILIAS to supplement and expand education. Especially in the corona pandemic, this has proven to be successful in connecting students and teachers from home and enabling learning progress.

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In order to integrate the specific wishes of the schools for a learning platform more into the development of ILIAS, the ILIAS association has started the **SchuLIAS** project. It allows schools to host ILIAS for free as part of a beneficial membership of the ILIAS Association. You always get automatic access to the latest ILIAS version. Instead of having to manage their own server, teachers can fully concentrate on the content.

With the course object in ILIAS, a complete class can be easily mapped. Using the built-in tools - including learning modules, downloadable media and documents, tests and forums - ILIAS can be easily used to implement special methods in schools. Think of WebQuests, where the students are given a task after introducing a realistic problem. This must be processed - usually in groups - with the help of information sources from the Internet.

A decisive advantage of ILIAS is the easy updating of the teaching material. All participants will receive an automatic notification if desired. Thanks to keeping records, cooperative lesson preparation by several teachers is also easily applicable. There is then a lively exchange about further usage scenarios among the teaching staff - in the virtual teacher's room and via the digital message book present there.



ILIAS for companies

More and more companies are switching to ILIAS to benefit from strong and royalty-free software. The flexibility in the application, the diverse use contexts and the adaptability are just some of the reasons for this.

DEVK Versicherungen has been working with ILIAS since 2018 and has since mapped over 20,000 courses with over 500,000 bookings through the qualification platform - including face-to-face seminars, webinars and self-study courses alike. ILIAS supports the training organization and employees on a daily basis – as a system for all education and continuing education subjects.

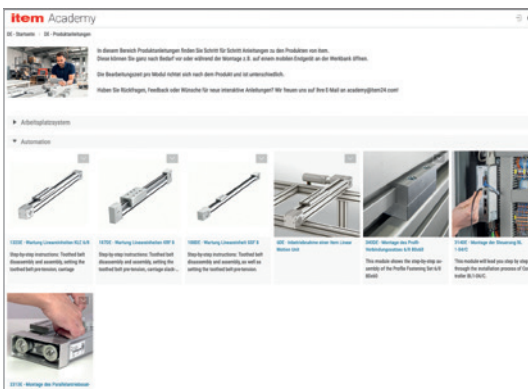
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As a non-profit service provider for people with a disability, **FWS gGmbH** works with ILIAS to organize the high demand for training courses that have to meet special requirements in this area. Part of this is the recurring mandatory training, as well as the clear tracking of the training status of the approximately 550 employees from various internal and external training measures.



"We use ILIAS for the implementation and documentation of the continuing education obligation from the IDD, the EU directive for the sale of insurance. That was a very important requirement for us."

*Markus Zimmermann,
Learning & Development,
Team Digitales
Bildungsmanagement, DEVK
Versicherungen*





Krohne Messtechnik GmbH from Duisburg offers an open training platform for the process industry. Tens of thousands of users from all over the world have already used the KROHNE Academy. If the students pass the final test, they receive a corresponding certificate from ILIAS.

As a central and organizing medium, ILIAS is used in the e-learning scenario of the **Swiss Air Traffic Control Skyguide**. The system is not only used to offer online modules. The use of locally installed software applications is also initiated and managed via ILIAS.

The **Italian mechanical engineering company SACMI** mainly uses ILIAS as a knowledge management system. Employees and users of the machines used worldwide have access to SACMI's dynamic product knowledge.



"In the search for a learning management system for us as a medium-sized company, the choice fell on ILIAS. The system adapts to our individual needs and offers room for changes and visions in the future. ILIAS is very well received by our employees. It saves time in planning and everyone keeps an overview."

*Lukas Polifka,
Teamleitung Bildung /
Unternehmenskommunikation,
FWS gGmbH*

ILIAS for public administration

Providing citizen-oriented services is of great importance. The resulting data deserves special protection. More and more governments, pension insurers and health insurers therefore rely on ILIAS.

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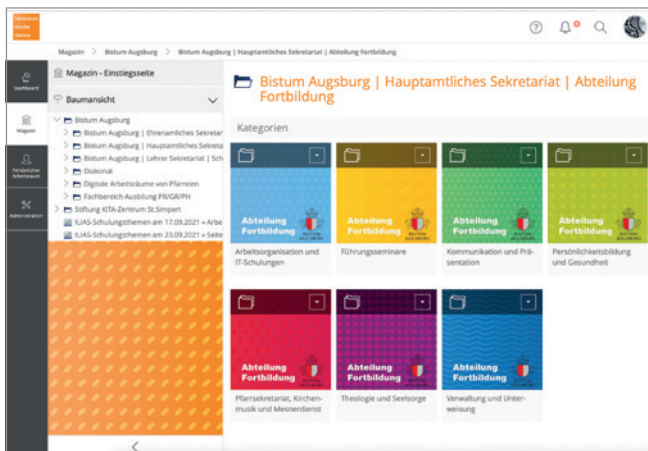
Already in 2008, ILIAS was successfully certified by NATO. The content and data of an ILIAS installation are well protected against unauthorized access. For this reason, ILIAS can also be used at NATO in the shielded network for the use and dissemination of sensitive learning content and documents.

In order to also protect the data of employees internally, there is a detailed rights system in ILIAS. So everyone only sees the data they are allowed to see.

Thanks to the excellent scalability, high user numbers are no problem for ILIAS. In the **Südtiroler Landesverwaltung**, for example, almost 50,000 people are now on the

ILIAS platform. In 2002, the Rectors' Conference of Public Service Universities in Germany founded the **Bundesarbeitsgemeinschaft E-Learning der Fachhochschulen für den öffentlichen Dienst**. A year later, they launched a joint learning management platform to provide all members with a simple and cost-effective path to digital education. ILIAS was chosen, which existed in version 2 at the time. "With 40 organizations and 79,000 user accounts on an ILIAS installation, this project can certainly be considered a success story after almost 20 years", says BAG spokesperson prof.dr. Stephen Bug.

With the numerous integrated tools you can directly implement your desired scenarios in e-learning with ILIAS. This includes onboarding new employees, but also training for



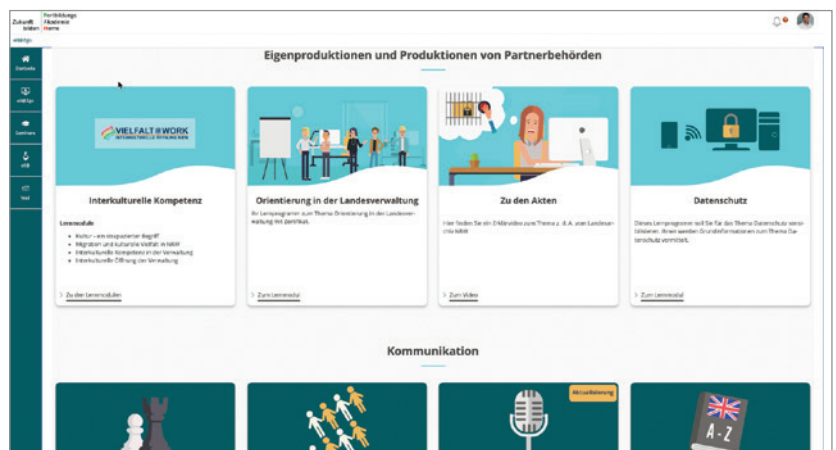
returnees, providing eGovernment documentation or instructions for other software used alongside ILIAS.

The display of ILIAS can be adjusted with little effort. ILIAS was the first choice for the **Fortbildungsakademie des Ministeriums für Inneres und Kommunales des Landes Nordrhein-Westfalen**. Together with an ILIAS service provider, the academy team has improved the usability of their platform and used an attractive tile design.



"The tile view in ILIAS enables us to design our public areas in an attractive, sleek and orderly way, in addition to the various seminar rooms. In 2021, despite the corona pandemic, 1,588 seminar rooms have been set up in ILIAS and 9,997 participants had access."

*Karim Sayed,
Leiter E-Learning-Lab,
Fortbildungsakademie des Ministeriums des
Innern des Landes Nordrhein-Westfalen*



ILIAS



FEATURES

Learning without barriers

E-learning should be accessible to everyone, regardless of their device, language or physical ability.

In recent years, the subject of accessibility has become increasingly in the center of attention. At ILIAS, new developments must always be designed in such a way that they are barrier-free. And barriers in elderly functions are also constantly being reduced thanks to the efforts of our users. The ILIAS Association has every major update thoroughly tested. The system undergoes BITV testing annually.

As an international project, the development of ILIAS is coordinated in English. A translation into German is always included. Volunteer translators also carry the interface in many other languages. And different groups in the community are constantly working to keep and make the language in ILIAS simple, uniform and understandable.

Improving the user interface and user guidance is also an ongoing process in the community. Particular emphasis is placed on consistency and responsiveness, so that users can quickly find their way.

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Many paths lead to learning

Entry into the learning and knowledge world of ILIAS can be freely determined: after logging in, direct users directly to a course or a learning module, open the calendar view or the study center, where all learning offers can be independently explored.

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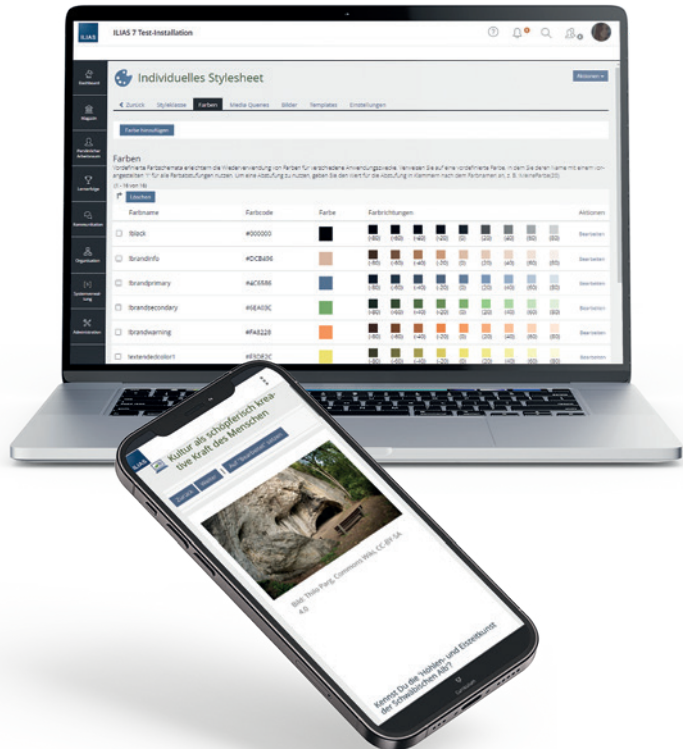
Favorites can be easily saved by your students and quickly retrieved the next time they log in. Upcoming appointments are available in the calendar. New emails and messages are also clearly displayed in ILIAS.

Depending on your needs, users can get extended rights. They then define their own memberships in courses and groups, their portfolios and contacts. Personal settings and information in the profile can also be made.

Unnecessary functions of ILIAS can be easily deactivated in the administration - and additional menu items can be added in the main navigation: the new main bar can be configured platform-wide to quickly take your users to the desired goal.

Easily create learning content

A learning platform mainly thrives on good content. ILIAS makes it easy to design this online. The integrated page editor allows you to work uniformly throughout the system. Authors, teachers, and students can use global formatting, insert media and tables, and create responsive layouts at lightning speed. With the new editor currently under development, content creation will be even easier and faster.



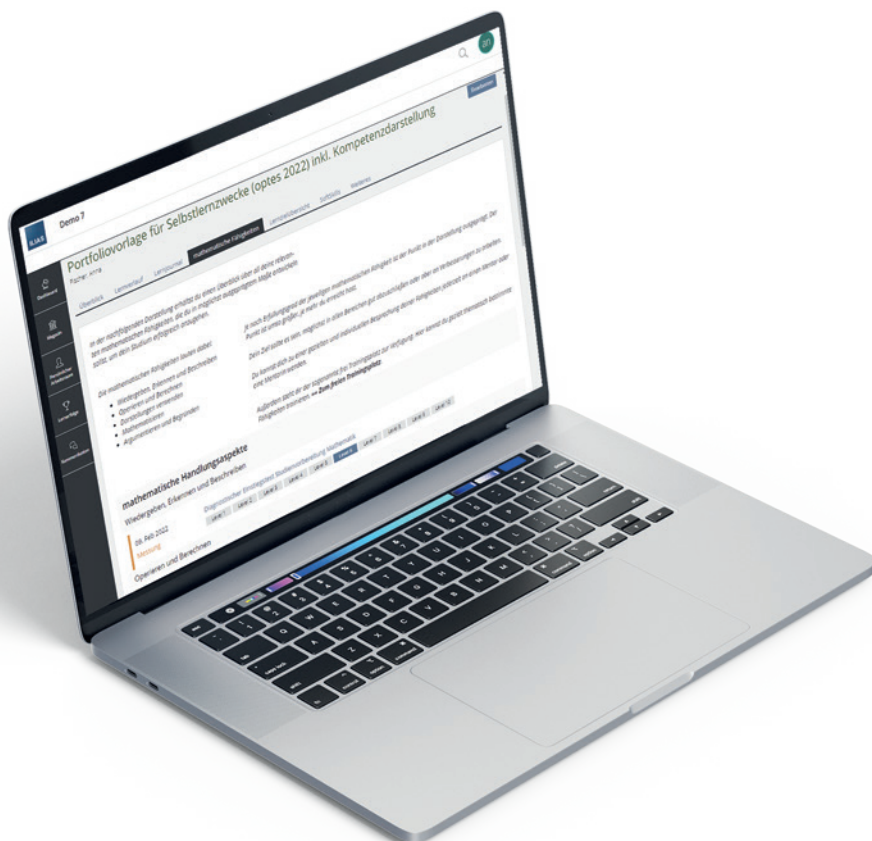
The content style editor can be used to make learning content attractive, taking into account your own C.I. and style rules. External resources and documents can be

imported, integrated via LTI and xAPI/cmi5, or delivered via WebDAV.

Reflect and document

Portfolios for documenting and reflecting on personal learning processes have become increasingly important in education and training. ILIAS offers all necessary functions to successfully carry out portfolio work. A big advantage is that users create and edit their portfolio in the same environment where they use courses and conduct learning activities. In addition, it is possible to set up the creation of a portfolio as an exercise assignment.

For editing the portfolio, ILIAS offers an integrated tool that allows users to create, fill with content and release their own portfolio for each target group. Templates are available to make work easier. Portfolios can also be used by users as a personal profile.



Collaborate

Collaboration is possible with many tools in ILIAS. The integrated wiki and online ILIAS learning modules are especially popular. However, it is also possible to jointly create glossaries, data collections, tests and exercises. The revised page editor makes content creation even easier and is available in many places in the system.

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Learning together in groups has always been a strong point of ILIAS. Learners are not treated as

knowledge consumers, but activated as producers. Group or course members can obtain extended authoring rights and thus use the system creatively themselves.

All necessary functions are available for managing the groups and their participants. This includes different registration procedures, a group password and the limitation of the number of participants.

File-based document exchange is supported with version control and WebDAV interface.

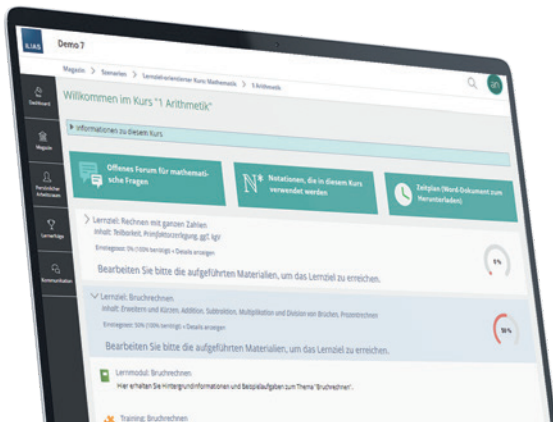
Manage learning flexibly

Teachers can use ILIAS to make content automatically accessible depending on different circumstances. In this way it is possible to provide course content with learning objectives, check it with introductory and final tests, and recommend learning materials for further processing.

ILIAS thus enables the easy implementation of learning paths and adaptive learning.

Independent learning is also supported by ILIAS. For example, learning planning in courses can be used to define a flexible time frame for self-learning phases in blended learning courses. Study programs also allow you to combine different courses into one curriculum that can be taken on different dates.

The learning progress check shows where a student is. For this purpose, results of tests or exercises, as well as length of stay in learning modules or other factors can be used.

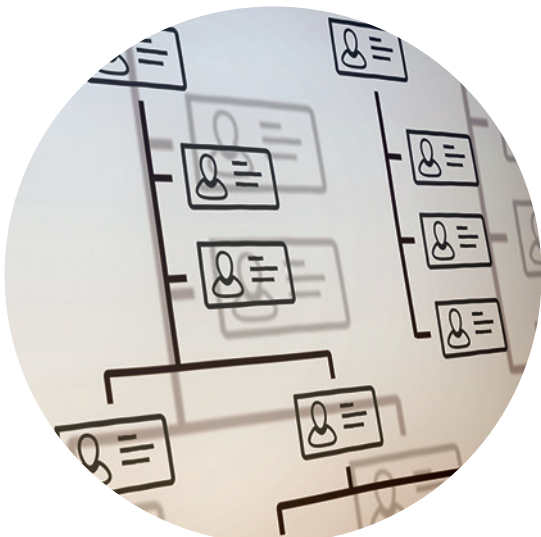


Mapping organizational structures

Especially in companies and governments, it is important to control access to learning opportunities and reports on learning activities according to the organizational structure.

Only the direct supervisor would be able to approve an employee's course registration and later view his learning data. At the same time, however, employees from multiple departments must be able to use the same refresher course.

With the ability to define organizational units and assign users and authorizations to them, such scenarios can be easily implemented. This also makes ILIAS suitable for supporting compliance management in companies or in the public sector. The requirements of data protection (GDPR) and works and staff councils are taken into account. The learning activities and competence development of its own employees remain clear and comprehensible.



"With ILIAS we can make our worldwide training courses interesting, varied and suitable for target groups."

*Nadine Bauser,
Murrelektronik GmbH*

Focus on skills

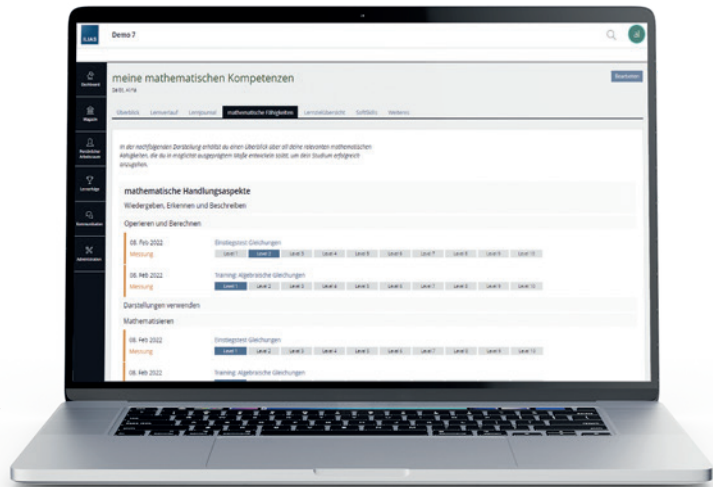
Taking the student's strengths and weaknesses into account is part of good e-learning. The integrated competence management in ILIAS helps to record and visualize each individual's skills and abilities. Through self-assessment or measurement in the test, users can achieve defined competence levels. The 360° survey makes it possible to have a person assessed by third parties, for example by colleagues in your own department.

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Successful testing

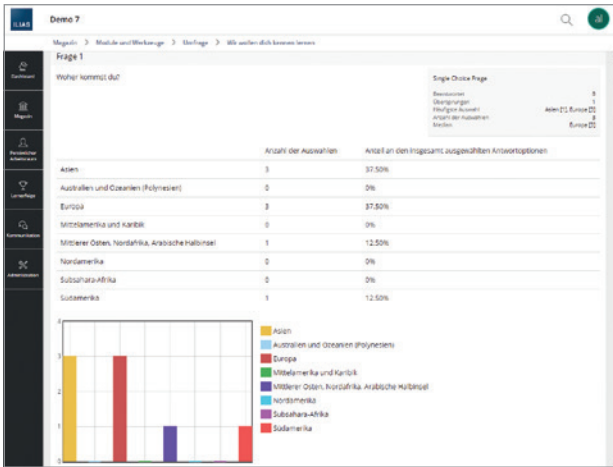
ILIAS offers an integrated environment for creating and performing tests and assessments. These can be used for your own learning success control, but also for legally binding online exams. Test results can also be used to unlock further content for students. As question types, ILIAS offers single and multiple choice, assignment and cloze text questions, hotspots and open questions. Other question types, such as STACK, can be easily integrated via plugin. Simple reuse of the questions is possible through the use of question banks.

ILIAS not only documents the current circumstances, but also makes it possible to provide targeted tips for improving one's own skills. In this way, suitable learning material can be captured to achieve the following levels of competence, which can then be presented to the respective learner for processing. ILIAS shows all forms of learning outcomes in a central overview.



When compiling tests, all question types can be combined with each other. Random selection of questions is also possible. Kiosk mode, answer-sensitive feedback, different weighting of answers, support for ECTS credits and certificates are other features that can be used in a test.

Targeted and systematic questioning



Different question types and evaluation routines are available. Uniform response schemes, for example for ordinal questions, are definable.

Branching rules can be used to tailor the flow of a survey to the answer given, to allow for targeted questions. Anonymous surveys are also supported. The research results are visualized in ILIAS, but can also be exported for external processing.

Whether for evaluation, 360° surveys or individual feedback, ILIAS enables the easy design of web-based surveys.

Easy communication

ILIAS is an all-rounder when it comes to communication. The internal messaging system informs students about program or room changes. Because ILIAS knows the students and their addresses, the tedious maintenance of email lists is eliminated.

Forums are created quickly. They serve for substantive discussion and clarify organizational issues. Once filled with life, a FAQ forum can also be used for future courses. Open discussion forums are suitable for didactic scenarios.

For synchronous communication, ILIAS offers an integrated chat system. To facilitate collaboration, users can create a new group directly from the chat and deepen their work with the desired ILIAS tools.

External video conferencing systems can be quickly integrated and used via the plug-in interface.

Search and find

Private notes and public comments can be added to all content objects in ILIAS. Individually relevant content can be marked as favorites and accessed via quick access. In addition or alternatively, an internal tagging function is available.

Learning content provided with keywords can then be found even faster in ILIAS.

In addition to navigating through the study center, searching is another way to find the desired content in ILIAS. Short searches can be made from any page by keywords, metadata or full text. If the Lucene extension is activated, HTML and PDF files will also be made accessible. Search results can be saved and thus easily reused. Only the objects for which the relevant user actually has access rights are displayed as results.

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Open and connect ILIAS

ILIAS is not an isolated solution, but is open to networking with other e-learning offerings and services. ILIAS can be easily linked to other software systems via numerous interfaces. ILIAS thus becomes a hub for various e-learning services within and outside your institution or company.

The extended web service interface (SOAP) is often used to connect HR management or education and course management systems to ILIAS. Courses can be created virtually remotely, teachers and students can be assigned and settings can be made.

The linking of multiple ILIAS installations and the mutual availability of content is possible with the E-Learning Community Server (ECS). External tools such as lecture recordings or virtual laboratories are integrated into ILIAS via the LTI interface. The same is also possible for externally supplied content. Conversely, an ILIAS course or an ILIAS learning module can also be used in another LTI compliant LMS via LTI.



Easy to use and manage

To use ILIAS, users only need a standard browser, regardless of whether they use the system as students, teachers, authors or administrators. Use on mobile devices is supported. ILIAS can be used on a small scale on a single server or as a distributed system for large scale installations. There is no limit to the number of users, learning objects, or courses. For example, the Federal Working Group on Digital Education provides public service universities in Germany with an ILIAS installation with 40 different institutions and nearly 80,000 registered users.

An ILIAS server can be used on all common operating systems. Installation and update of ILIAS are performed via the integrated setup. In addition to ILIAS' own database, LDAP, Cas, Shibboleth, Radius or SOAP can also be used for user authentication. Single-Sign-On support is available. The entire administration and maintenance of the system is carried out via the integrated system administration.

Can it be a little more?

With a plug-in, functions of external software systems can be integrated into ILIAS. A number of video conferencing systems can now be used directly in ILIAS via plug-ins. Flashcards, interactive videos, live voting and much more are also available as plugins. It is also possible to implement special functions that are of interest

In addition to user and rights management, this includes the complete configuration of modules and tools, as well as the definition of basic settings and selection options.



"For our Item Academy, ILIAS offers an optimal basis to work flexibly on topics and adapt them to country-specific differences."

*Joel Hesse,
Teamleiter Digitale Services,
item Industrietechnik GmbH*

only to individual users. The open source license of ILIAS also makes it possible to extensively adapt the system to the specific needs of a user.

ILIAS



FUNCTIONS

The free downloadable software package from ILIAS offers many extensive functions that allow the implementation of a wide range of e-learning scenarios. Functions that are not currently required are deactivated with just a few clicks in the system administration or only activated for certain user groups. Functional extensions can be provided via the interface or as a plug-in.

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General

Responsive web application

Customizable menu structures

Message center

Context-sensitive online help

Continuous development according to the legal framework requirements for data protection and accessibility conditions

Personalization

Personal dashboard and display of favorite learning objects, courses and other content

Overview of own learning results

Management of own certificates and badges

Personal blogs and portfolios

Individual learning progress monitoring

Competence management

Personal appointment calendar and subscription for external calendar clients

Personal workspace incl. function for uploading and sharing files

Learning content management

Central provision of all content objects (courses, groups, learning modules, wikis, glossaries, podcasts, etc.)

Full formatting with LOM metadata

Access control via a role-based permission system and preconditions

SCORM 1.2 and SCORM 2004 certification

Integration of external learning and training offerings via LTI

E-Learning Community Server for networking with other LMS installations

Internal Search and OER Harvester

xAPI/cmi5 support and connection to Learning Record Stores

Learning and course management

Courses and study programs to support the education and training offer

Sessions to map face-to-face events

Time-controlled release of learning objects

Learning goal-oriented provision of content

Monitoring learning progress at the course level

Individual learning planning in courses

Management of time-limited exercises

Feedback functions for participants in an exercise

Certificates and badges for learning outcomes documentation

Student management

Registration procedure (incl. participant limits and follow-up procedure)

Automatic and manual notification functions



Authorship

Integrated page editor for study center, course designs, learning modules, glossaries, blogs and portfolios

Content styles to adapt content to your own corporate identity

Built-in Wiki

Built-in data collection object

Collaboration

Create and manage workgroups

Scheduled and password-protected login

Container for cooperative file editing

History and version management of files

Data collection for structured research of information

Group mail and public notes

Test & Assessment

Solutions for de-exams, open book exams and self-study control tests

Question types: single/multiple choice, closed text, matching, ranking, etc.

Plug-in interface for new question types

Formula question for the randomization of mathematical parameters

Management of questions in a central question pool

Support editorial processes and question lifecycle

Set editing options

Processing time, assessment schedules

Differentiated evaluation of the results (incl. export)

Certificate function

Monitoring of learning progress

Individual assessment for exam and staff interviews

Surveys

Personalized and anonymous surveys

360° survey linked to competence management

Question pools to manage the questions

Online evaluation

CSV and Excel export of survey results for research and evaluation purposes

Poll for quick feedback in courses and groups

Communication

Participant overview and user networks

"Who's Online?" tool with an invitation to chat, network, and collaborate

On-screen chat for two or more participants

Discussion forums (moderation function, file attachments, new message notification, export)

Integrated email system with SMTP connection (file attachments, send emails to external addresses)

Notification function via RSS / ATOM

Announcements for system-wide notifications to users in the browser

Multilingualism and corporate identity

Multilingual user interface (more than 20 languages)

Language-sensitive and country-specific user agreements

Extension and adaptation of system languages

Adjustment of the display via skins to your own house style

System Administration (Back Office)

Configuration of the modules and services

Global and local roles (unlimited)

Role templates for easy reuse and maintenance of permission settings

Rights and context sensitive online help

Authentication: CAS, LDAP, SOAP, Shibboleth and OpenID Connect

Automatic login, password generation and confirmation email

Privacy and security settings

SOAP-interface / Web services

LTI support as Provider and Consumer (LTI 1.3 from ILIAS 8)

Copyright Management (Creative Commons)

Workflow engine for running modeled workflows in ILIAS

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Extensions via plugins

Video conference systems

Interactive video and OpenCast

Audience Response system

Etherpads and Ethercalc

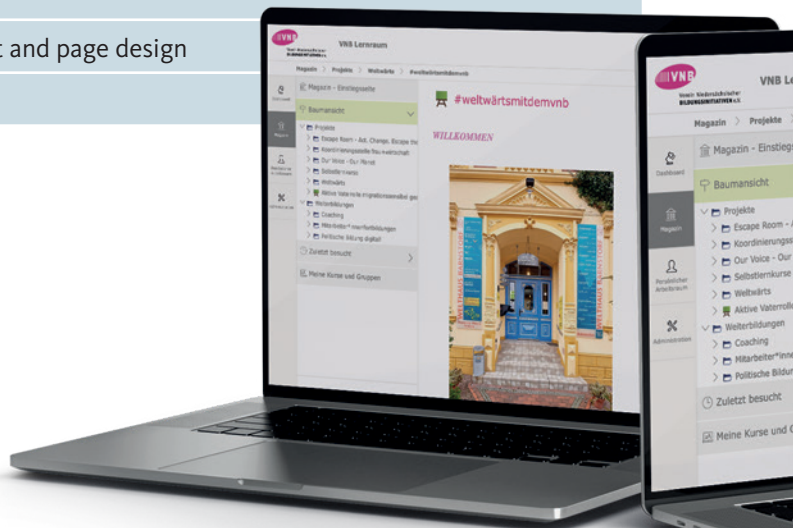
H5P integration

STACK and Geogebra

Flashcards

Diagrams for learning content and page design

Live voting and much more



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bestdesigns, cznythl, Eoneren, Imgorthand, lucadp,
MicroStockHub, M. Musabirov, nndanko,
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English translation:

Future Learning BV