

# Expert in Drupal

**Course in  
creation and administration  
of Websites with Drupal 7**

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## Presentation

One of the great challenges in using Drupal is **overcoming its steep learning curve**. Mastering Drupal is a challenging goal and requires effort and dedication.

With more than four years of experience in providing training in Drupal 6, Forcontu is launching **Expert in Drupal 7**, a newly expanded program available to train Web development professionals in Drupal 7.

The methodology used is totally practical, from the beginning of the course, you start creating your own website and when is complete it, your project will be ready for publishing on the Internet. You are able to do with the help of our tutors and all the necessary tools, including a web hosting where make your project.

The **expert in Drupal 7** is divided into 3 modules or training levels (initial, intermediate, and advanced) and **requires knowledge of programming**.

People who do not have programming skills may be the course of creation and management of web portals with Drupal 7: initial and intermediate levels.

## What is Drupal?

Drupal is a **CMS (Content Management System)** used to create dynamic websites with a wide variety of features.

Drupal is **freeware**, developed in PHP, which has a large and active community of users and developers who collaborate together in its improvement and growth. This growth is possible because it is a modular system with a very solid architecture, which allows modules created by any developer to interact with modules created by others in the community.

## What can you do with Drupal?

With Drupal, it is possible to implement a wide variety of websites:

- a personal or professional blog
- a corporate Website
- an online store
- a social network or virtual community
- an Intranet for the internal management of the company
- and many more... it's just up to your imagination.

## General Description

### Teaching method

The Expert in Drupal 7 course is a **100% practical and supervised course**. It is an **online course**, where participants will, in addition to the virtual classroom, have web hosting for their own Drupal installation.

Through the virtual classroom, the course tutor will be in contact with students, guiding them in their learning process and proposing the work necessary for passing the course. Students will hand in their work directly in their assigned web space, **building their own web site** using the proposed activities.

Each student will build a second Website relevant to your tastes or needs, in this way have an advanced project to the completion of the course and be able obtain the **certified of expert in Drupal 7**.

**The student will be able perform activities at any time of the day**, in order to adapt the training to his/her professional or private needs.

### Length and modality

The course is made up of **60 units** and divided into **3 modules**: beginner, intermediate and advanced. After completing all three modules, students will develop and complete a final project. The total course duration is **7 months** with **420 hours** of certified work.

While this formative experience requires a significant amount of effort, you will save a considerable amount of time when compared to studying Drupal on your own.

### Course Objectives

The main aim of the Expert in Drupal 7 course is to train the student for the implementation of professional Websites with Drupal. To reach out this objective, these secondary objectives must be achieved:

- **Acquire a good knowledge in Drupal.** Having a good base is essential for defining a good strategy for the installation, configuration and programming of features in Drupal. In this course we place special emphasis on the need to study Drupal in an orderly and guided way, carrying out work ranging in difficulty from lowest to highest. For this reason we believe that all of the activities proposed in the training plan are important for the acquisition of a good base, regardless of the student's previous level of knowledge.
- **Knowing Drupal architecture in depth.** Knowing Drupal architecture at the programming level is essential in understanding how the modules interact with the

system, as well as developing modules that adapt to the core and the rest of the installed modules on a Website in a proper manner.

- **Essential additional modules.** The Drupal core is only a starting point; it will always be necessary to add additional modules. The most important modules that are offered will be studied in this course. Some of these modules have become essential, because they have been used in prior versions to Drupal 7, having enjoyed widespread acceptance in the community for years. Other modules created specifically for Drupal 7 will also be studied.
- **Developers' tools.** We will study some of the programming tools for modules and system administration tools with the aim of speeding up the work with Drupal.
- **Adaptation to new versions and modules.** The student will have the necessary skills to adapt to the continuous changes of version and to manage the installation and configuration of new modules contributed by the community successfully.
- **Modules Programming.** When the available modules are not enough to achieve the functional requirements of our project, we will need to implement new modules. We go into greater depth in the API of Drupal and the Drupal programming style to develop professional modules.
- **Learn how to contribute to the community.** The Drupal success would not have been possible if it did not have thousands of enthusiasts, users and developers, who have shared their developments, knowledge and experiences with the community. This is why believe that, wherever possible, we must contribute to the community, whether sharing and maintaining developed modules, reporting bugs and solutions, and helping other users.

## What does the course cover?

Through this course you will learn to install, configure and administrate Websites with Drupal 7. You will also be able to develop new functionalities that allow adapting a Website to the required functional requirements. Becoming an expert in Drupal 7 you will be trained to deal with, both individually and in team, the design and implementation of complex Websites. Acquired training will be helpful in getting you into the labor market, improving in your job or even undertaking your own project based on web technologies.

## Who is it aimed at?

The Expert in Drupal 7 course is aimed at web site developers with programming skills that require the development of professional Web projects with Drupal 7, either for third parties or in order to carry out their own business ideas.

## Prior knowledge required

To access the course it will be necessary to have intermediate level knowledge of programming in PHP and MySQL, as well as have minimal knowledge of computer science and Internet user-level.

People who do not have programming skills may do the course of creation and management of web portals with Drupal 7: initial and intermediate levels.

While a specific academic qualification is not required because of their professionalized orientation, it is recommended for Website developers and programmers with technical degrees or occupational training.

## Technical requirements

It is necessary to have a computer with Internet connection and web browser to take this course. During the course it will be necessary to install an FTP client (FileZilla or similar).

## What the course includes

The Expert in Drupal 7 course includes the following services and materials:

- **Materials organized in English.** There is a lot of information on Drupal available in books, blogs, forums, etc. At Forcontu, we have developed some organized training materials consisting of different learning subjects to ensure the professional training in Drupal (compulsory work, practical cases, enhancement activities, etc). The course includes **3 Expert in Drupal 7** books in eBook (PDF).
- **Web hosting** for the training plan activities and the final project undertaking.
- **Continuous assessment** of the work carried out during the course, providing feedback on the possible mistakes
- **Practical examination after each module.**
- **Final Project evaluation.**
- **Follow-up on the student's progress.** Tutors will carry out continuous monitoring of the student and will answer the doubts raised in the classroom forums.
- **Certificate for passing part of the module.**
- **Expert in Drupal 7 Certificate.** After passing the training modules and the end of course project.
- **Letter of introduction,** for students who have completed the course in Expert in Drupal 7 with a grade of Excellent.
- **Incorporation into the job market** where you receive offers to publish companies interested in developers with knowledge of Drupal.
- Consultancy after the course in order to **migrate your Website** (final work) to your personal hosting site.

## Methodology

The **Expert in Drupal 7 is an online supervised course**. The student must carry out in the proposed activities on the hosting Web provided, which will be corrected and assessed by the tutor on an ongoing basis, as they are handed in. The e-learning platform will give access to the course contents and the necessary tools for facilitating communication amongst the participants in the course, the correction of activities and the answering queries.

The training plan includes detailed planning of the work carried out, continuous monitoring of the student progress and the evaluation of the activities carried out and the student personal work.

The course is arranged following a recommended timetable for handing in work, although the students can follow their own pace of work and hand them in throughout the course, but they must always do this before the end of each module. The student can work on his/her web host and in the classrooms used in any schedule, although the doubts expressed in the forums and correcting work will generally be done during business hours. Our tutors' full-time commitment ensures flexible communication and correction activities handed back on a daily basis.

## Educational platform

Once registered on the course, the student will be added onto the educational platform and in the classroom corresponding to the module to be studied.

Tutors and students may communicate freely through **forums** (in a way that is public to the entire group), or by **internal e-mail** (privately, only for the stated recipients) for each course. By default, a duplicate of these communications will be sent to the external electronic e-mail address provided by the student.

Students in the same group can contact each other and share their experiences and the results of their work and proposed materials.

The classroom is arranged in the following way:

- **Guide Forum** (Tutor's Forum). Only tutors can publish on this forum, and this will be used to report general issues concerning the course or other issues that may be of interest to the Group.
- **Learning Forum** (Course Forum). Both tutors and students will be able to post on this forum, and it will be used to discuss issues related to Drupal and the course. The students may raise their questions about the work and other general enquiries about Drupal here.
- **Sharing Forum** (general forum). This is an open forum where students and tutors can share other experiences aside from the course and Drupal.
- **Internal e-mail**. The internal mail enables messages to be sent to other classmates and tutors.
- **Participants**. List of participants on the course, including tutors and students.
- **News**. The latest posts added by tutors in the Forum guide will be published in this block.

- **Upcoming events.** This block shows upcoming events related to course planning. Participants can create private events.
- **Timetable.** Displays events in timetable form.
- **Online Users.** A participants' list shows who is connected at any one time.
- **Profile (administration).** Allows you to administer the user profile: modify the login password, modify the personal data, change the photo, etc.

## Educational materials

Materials are written in English and consist of:

- EBooks of the **Learn Drupal with Forcontu set**, corresponding to the registered level. The books will be available in the classroom in digital format (PDF).
- **Web Hosting** for doing the work and the student's final project.
- **Links** to external resources.
- **Activities.** Each unit will include activities. That it must be carried out in the time set so the tutor can assess them later on.



## Evaluation

During the course each piece of work will be assessed, corrected and rated by the tutors, providing continuous feedback to the student.

At the end of each module the student will get a **continuous assessment rating**, based upon the individual marks obtained in their work. As well as having passed the continuous assessment, in order to pass each module, it will be necessary, to pass practical examination. This examination is necessary to validate the mark obtained in the continuous assessment, so the student will have only a pass or fail grade. Once module has been passed, a partial certificate of accomplishment of the module will be issued.

Once the three modules of the course have been passed, the student will have to carry out a Final Project, consisting of the development and documentation of a Website. By passing all the formative modules and the Final Project the student will obtain the **certificate of Expert in Drupal 7**.



Upon completion the course the **certificates of follow-up and accomplishment of each passed module and the certificate of Expert in Drupal 7** will be delivered by ordinary post, detailing, inter alia, the number of working hours, the detailed content of the course and the final mark obtained.

The **final grade of Expert in Drupal 7** will be obtained by scoring the marks attained in each of the modules and final project, having regarded to the following percentages:

- Module I: Beginner (15%)
- Module II: Intermediate (30%)
- Module: III Advanced (40%)
- Final Project (15%)

## Structure and Content

### Module I: Beginner

This module will be studied for 4 weeks and it will certify 60 hours of work.

1. Introduction to Drupal
  2. Drupal installation
  3. Administration area
  4. Content management
  5. Content types
  6. Menu management
  7. Blocks management
  8. Themes
  9. Extending functionality with modules
  10. Management of users, roles and permissions
  11. Taxonomy
  12. Text formats and WYSIWYG editors
  13. Blogs
  14. Forums
  15. Structured documents: Books
  16. Media Galleries
  17. Searches
  18. Languages and translation
  19. Access statistics
  20. Website management, maintenance and updating
- Final module exam

## Module II: Intermediate

This module will be studied for 8 weeks and it will certify 120 hours of work.

21. Creating forms with Webform
  22. Advanced content types
  23. Views
  24. Automatic image processing
  25. Extending menus with additional modules
  26. Extending blocks with additional modules
  27. Panels
  28. Display Suite
  29. Customizing Themes
  30. Actions and Triggers
  31. Rules
  32. Defining contexts
  33. Extending users
  34. Workflow
  35. Multilingual sites
  36. E-commerce: Introduction to Ubercart and Drupal Commerce
  37. SEO Positioning with Drupal
  38. Social tools: voting and sharing content
  39. Newsletter Subscription
  40. Other Features
- Final module exam

### Module III: Advanced

This module will be studied for 12 weeks and it will certify 180 hours of work.

41. Drupal development best practices
  42. Tools for developers
  43. Drupal Architecture
  44. Creating modules
  45. Database access and database schemas
  46. Menu system
  47. Creating forms
  48. Programming blocks
  49. Programming users and permissions
  50. Programming content types
  51. Programming entities and fields
  52. Programming actions and triggers
  53. Working with Files
  54. Search system
  55. Translating modules
  56. Creating themes
  57. Using jQuery and Ajax
  58. Features
  59. Installation Profiles
  60. Contributing to the Drupal Community
- Final module exam

### Final Project

The final project may be taken during the course, but there will be 4 weeks available after the three modules to complete and submit it. This Project will certify 60 hours of work.

## Drupal Certification with Forcontu

Companies increasingly demand professional Web developers, experts in Drupal, and they are asking for a training certificate and/or experience in Drupal. Another new development introduced into our training plans is the new model of **Drupal certification with Forcontu**.

All training progress with Forcontu will be available on a unique URL that you will be provided with at the beginning of the course. As you pass the modules or additional activities of the lifelong learning Plan, these achievements will be reflected directly on your **Drupal certification with Forcontu page**.

If you would like this, you can include this URL in your curriculum vitae so the companies that are in your level of knowledge of Drupal can collate the information provided therein

## Customized Courses

If your company needs an intensive course aimed at creating a specific project, we offer tailor-made training programs designed specially to suit your needs.

You will get the benefit of adapting the course dates to your needs; you will have a private classroom for the company students and a tutor wholly and exclusively dedicated to this group.

To request a quotation or more information please contact us at [info@forcontu.com](mailto:info@forcontu.com)

## Registration and method of payment

To enroll on the course, you only have to choose the start date of the course that you want at: [www.forcontu.com](http://www.forcontu.com) and make the payment. Terms of payment:

- Bank transfer
- Credit or debit card
- Paypal

## Prices

In these tables you will find the price of each course for a single person and discounted prices if an institution wishes to enroll several students' together (prices per person):

### With Programming Knowledge:

Online Courses	Number of students			
	1	2-4	5-9	10 +
<b>Expert in Drupal 7 (all levels)</b>	USD 1350	5% Off	10% Off	20% Off
<b>Development ( Advanced level )</b>	USD 850			

(Tax-exempt) Price per student

### Without Programming Knowledge:

Online Courses	Number of students			
	1	2-4	5-9	10 +
<b>Site Building (Beginner + Intermediate levels)</b>	USD 650	5% Off	10% Off	20% Off

(Tax-exempt) Price per student

If you do not find the course that suits your needs, please contact us via:

Email: [info@forcontu.com](mailto:info@forcontu.com)

Telephone: +34 91 782 56 13.