

# PHDWin V2 Fundamentals Training

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The PHDWin Fundamentals Course is a two-and-a-half-day intensive course designed for new users or those who wish to become officially PHDWin certified. This course covers all the basic features of PHDWin along with hands on practice problems and real-time instructor feedback. Our experienced instructors work hard to adapt the training material to students' needs. Computers and user manuals are provided for this course.

## ***Create Projects***

Explore the options available for creating new projects and understand the repercussions of those options. Users will learn about file types that are associated with PHDWin projects, how to set defaults for new projects, and how to change properties for projects after a file has been created.

## ***Setting up Workflow***

Learning to navigate in PHDWin is crucial for streamlining work flow. By learning how to choose cases in PHDWin, sort/filter cases, and search for cases, users will be able to work more efficiently with the system.

## ***Basic Data Entry: Using the Case Editor***

Understanding how to find data stored for a case in order to either manipulate that data or review it for troubleshooting is necessary for understanding the output calculations performed by PHDWin. Users will learn where to find entered data, how to manually input data, and what settings can be changed for performing calculations for any single case.

## ***Case Types & Case Creation***

Users need to create and manage a variety of case types in PHDWin when trying to create very sophisticated economic models. Users will learn how to create basic case types as well as learn about properties associated with each of these basic case types.

## ***Creating Advanced Cases***

Once versed in basic case creation, users can model more complex economic situations. Users will learn how to create advanced group cases, incremental (probabilistic) cases, hedge cases, or other specialized formats to meet sophisticated model demands.

## ***Group (Platform) Cases and Allocations***

When modeling group economics, many clients prefer to allocate group expenses for report purposes. Users will learn the theory of allocations and how to apply available allocation methods in PHDWin.

## ***Risked Economics***

Risk factors can be applied to any case in PHDWin. In this module, users will learn about the kinds of risk options available in PHDWin and how to apply and manage these options for any given case.

## ***Graphing Production Forecasts***

Using decline curve analysis in a graphical environment, users can forecast future production for any case. Users

will learn the options available for configuring the graphical environment as well as how to forecast production in that environment for any single case.

#### ***Reporting in PHDWin***

Reports provide users with the output of calculations performed by PHDWin. These calculations automatically provide an annual or monthly view of future production as well as cash flow related values (prices, expenses, investments, revenue, etc.) Learn how to produce reports in various styles as well as configure user-friendly options to streamline reporting.

#### ***Mass Editing Data***

PHDWin has two mass edit tools that efficiently manipulate settings or data for multiple cases in a project. Users will learn the interface and best practices for using these mass edit tools.

#### ***Models: Storing Multiple Economic Data Sets***

Models are powerful tools that give users the ability to store prices, expenses, or related types of economic data sets. Users will learn how to create, apply, and manage models as well as the model file in which the models are stored.

#### ***Partners: Storing Multiple Ownership/Investment Sets***

Users can store and model multiple sets of ownership, reversions, and investments using partners in PHDWin. This ability gives users the ability to efficiently model various acquisition options, separate royalty interest revenue from working interest revenue, or model the economics of multiple parties with interests in a single case. Users will learn how to create partners, configure default options for partner creation, and manage investments within partners.

#### ***Managing Products and Multiple Projection Sets***

By default, users can model standard oil and gas production for any single case. Users often find that they desire to model other products such as natural gas liquids (NGL) or sulfur. Additionally, users may wish to have multiple projection sets for these products stored in a single case. Users will learn how to create and manage products in PHDWin as well as store multiple projection sets for these products.

#### ***Importing Data into PHDWin***

Users often desire to manage data outside of PHDWin and later import that data for calculation purposes. Users will explore options for importing data into PHDWin as well as learn how to configure and import data from custom sources and data providers.

#### ***Batch Printing Reports and Graphs***

Batch printing can streamline the time needed to produce various report outputs. Users will learn how to create and configure batch print scripts to create multiple report and graph printouts with a single set of commands.

#### ***Managing Data Across Multiple Projects***

Occasionally, it is necessary to move cases and related to data between multiple projects. By learning how to export and merge database information, users will be able to successfully manage data for multiple projects in PHDWin.

#### ***Managing Projects and Files***

File management and organization is essential to any efficient system. By learning about various recommended styles of file management, users will be able to efficiently organize files, reducing unnecessary data redundancy and risk of file loss.