

BIOVIA Workbook

2016 Training Course Catalog



3DEXPERIENCE®

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SUMMARY

We are proud to offer a variety of courses to meet your organization's needs, ranging from navigation basics to advanced technical courses. Customized courses can be designed to meet your organization's specific needs; please contact your Account Manager.

Delivery Methods:

- Onsite Instructor-Led Training (ILT): Facilitated by an onsite instructor, this training takes place at your location or at a selected Biovia site.
- Virtual Classroom ILT: Our instructors teach these courses virtually allowing students to attend from their remote location.
- eLearning: These self-paced, computer-based courses cover various BIOVIA Workbook-specific topics that you can use as a supplement to ILT or as a primary source for learning.

INSTRUCTOR-LED COURSES

ENTERING DATA AND ACCESSING INFORMATION

This course is designed for beginning users of BIOVIA Workbook (formerly Electronic Lab Notebook). The content is based on standard workflows used by research scientists. Exercises focus on entering important experimental data into repositories and accessing experimental information that has been stored in the Vault.

Topics	Details
<ul style="list-style-type: none">• Navigating in Workbook• Creating experiments• Recording essential experimental information• Updating experiments and registering changes• Generating reports• Searching in Workbook	<p>Duration: 0.5 to 1 day</p> <p>Method: Onsite or Virtual Classroom</p> <p>Prerequisites: None</p>

BUILDING FORMS, TEMPLATES, AND TABLES

This course is designed for advanced users of the BIOVIA Workbook (formerly Electronic Lab Notebook). Students should be familiar with creating new experiments, adding information to experiments, and checking experiments into versioned repositories. Students develop components that can be made available for everyday users to create their own experiments and add essential information to them. Exercises focus on the creation and management of forms, templates, and tables.

Topics	Details
<ul style="list-style-type: none">• Creating and managing property sets• Designing, creating, and managing forms• Creating and managing experiment templates• Creating table sections within templates• Making templates available for use within the Vault• Inserting a table section into an experiment template	<p>Duration: 1 day</p> <p>Method: Onsite or Virtual Classroom</p> <p>Prerequisites: Entering Data and Accessing Information</p>

WORKFLOW DESIGNER

This course teaches students how to develop workflows using Workflow Designer to define a specific process for an experiment. Hands-on exercises help students

Topics	Details
<ul style="list-style-type: none">• Workflow Overview• Admin elements – signatures, associations, actors – how to create and use them• Workflow designer concepts and how they fit together• Planning your workflow• Stages, transitions, and different types of activities• Compiling and publishing a workflow	<p>Duration: 1 day</p> <p>Method: Onsite or Virtual Classroom</p> <p>Prerequisites: Entering Data and Accessing Information</p>

WORKBOOK ADMINISTRATION

This course is for individuals tasked with the administration of Workbook, which includes the development of functions such as groups, users, vocabularies, signature policies, and workflow associations.

Topics	Details
<ul style="list-style-type: none">• Creating groups and users• Assigning permissions• Creating repository folders• Creating vocabularies and signature policies• Configuring applications such as Lookup Service, Registration, and External Repositories• Creating workflow associations• Transitioning experiment workflow stages	<p>Duration: 0.5 day</p> <p>Method: Onsite or Virtual Classroom</p> <p>Prerequisites: Entering Data and Accessing Information</p>

APPLICATION DEVELOPMENT AND SCRIPTING

This course is designed for programmers with experience using .NET and/or IronPython. Students will gain an understanding of the basics of SN6 and learn how to extend SN6 out-of-the-box capabilities. Using the Workbook SDK, students learn about Notebook sections, Notebook Platform API and Symyx Framework API.

Topics	Details
<ul style="list-style-type: none">• Symyx Framework and Vault<ul style="list-style-type: none">– Vault objects– Properties• Workbook Scripting<ul style="list-style-type: none">– Forms, Tables, Materials– Toolbars, Section-level Scripting– Preparations, Text, File Sections• Best Practices• Scripting using .NET assemblies	<p>Duration: 4 days</p> <p>Method: Onsite</p> <p>Prerequisites: .NET and/or IronPython; Entering Data and Accessing Information; Building Forms, Templates and Tables</p>

ELEARNING LIBRARY

BIOVIA offers an eLearning library that comprises 13 modules covering BIOVIA Workbook functionality for end users. You can purchase access to this library separately, on a per-user basis, for a one-year duration. Contact your account manager for details.

ACCELRY'S ELECTRONIC LAB NOTEBOOK

Introduction to Accelrys Electronic Lab Notebook

Access the ELN repository tree in Notebook Explorer, define a default notebook for recording your experiments, define shortcuts to the notebooks you use most often, open an experiment in read-only mode, and arrange the content of an experiment for easy viewing.

Customize Experiment Lists

Learn how to display desired information for an experiment list and how to sort, filter, and group an experiment list.

Create Experiments

Learn how to create a new experiment from a pre-defined template; create a new experiment by copying another experiment; and add, delete, rename, and re-order experimental sections.

Add Experimental Information

Learn to fill in forms and tables, enter text and annotate images in a text section, attach files, import spreadsheets and link your experiment to other experiments

Create a Report

Learn to create a report from a single and multiple experiments, configure a report with content, display options of your choosing, and export a report as PDF or Word.

Search in Notebook Explorer

Find experiments that match specific search criteria, save search queries and results for later use, and combine results from different searches.

Work with Section Templates

Insert a section template in your experiment, create a section template for personal use, make a section template available to others.

Import Materials

Import materials by name of CAS number, by structure, from an SD file, from another experiment. Rearrange, group, filter, sort, and delete materials in a materials table.

Enter Reaction Data

Learn how to enter reaction scheme into your experiment, specify synthetic chemistry materials used during the experiment, and create a link between the synthetic chemistry materials table and the procedure.

Create a Sample Preparation

Combine materials to create a sample preparation, replicate a sample preparation, and create dilutions of a sample preparation.

Create a Formulation

Learn to combine materials to create both a solid formation and a liquid formation, and how to replicate and delete a formulation.

Work with the Home Page

Learn to modify display settings for home page widgets, define templates to list in the Create New Experiment widget, define display settings and experiments to list in the Work in Progress widget, customize information displayed in the Inbox widget, and add and remove Home page widgets.

Use the Experiment Workflow

Introduces students to the various components that make up an experiment workflow and how they're applied to experiments in BIOVIA workbook.