

## Biopharm e-Learning Institute

An Internet-Portal to Self-Paced Biopharm Learning and Engineering Documents

Long recognized as bioprocess innovators, industry leading engineers and technologists, now Foster Wheeler Biokinetics, Inc. adds GLOBAL EDUCATORS to its biopharm industry resume.

The Biopharm e-Learning Institute, which can be accessed at [www.BiopharmInstitute.com](http://www.BiopharmInstitute.com), is a 24/7, Internet-based portal to self-paced courses addressing a broad range of biopharm topics. The courses draw from FWBiok recognized industry leadership in process systems design for bioprocess unit operations. All courses are authored and peer reviewed by industry experts.



Since its inception, Foster Wheeler Biokinetics has made a strong commitment to knowledge management. This accumulated knowledge, reflecting over 1,000 person-years of biopharm engineering and validation experience, forms the basis of our new offering. FWBiok has identified content residing in its Knowledge Management system that will ultimately be translated into courses by our subject matter experts. Courses are designed to span a range of sophistication and technical depth to provide instruction on everything from the basics of operations and terminology for biopharmaceutical manufacturing to detailed guidance on the design, operation and validation of bioreactors, downstream unit operations and critical utilities and support systems.

We are continuously adding new courses to our library of standard offerings, based on industry needs expressed through our market research.

To maintain interest levels and knowledge retention, all online courses are designed for completion within a one hour period. The courses are media rich and enhanced with activities and quizzes to provide opportunities for implementation of new knowledge and skills. Post-course surveys are provided to gauge learner satisfaction. The course subject matter expert is available to answer course questions via email.

Our state of the art course management system is capable of tracking learner completion and quiz grades within a self-serve environment while allowing interaction between learners of similar interests. Many courses offer sample resources in the form of .pdf documents and weblinks. All that is required is an Internet connection, one hour of time, and a desire to learn.

The Biopharm e-Learning Institute will benefit corporate training departments, professionals desiring continuing education, and students and recent graduates interested in learning more about the biopharm industry. Course content can be customized and expanded for corporate or university clients.

Do you have training objectives that are unmet due to resource limitations or competing priorities? In addition to our library of standard courses, we can convert your design, validation and operational documentation into professional, interesting courses for training operators, support staff, management, etc., on your specific manufacturing process.

Previews of our courses are available online and we are pleased to offer a Pilot Program to qualified clients. This program has been successfully tested with major industry leaders and offers our customers an opportunity to become familiar with our Internet-based learning program for a modest cost.

To learn more about how the Biopharm e-Learning Institute can help with your staff development challenges, contact Foster Wheeler Biokinetics 215.656.2500 or at [info@fwbiok.com](mailto:info@fwbiok.com) or visit [www.BiopharmInstitute.com](http://www.BiopharmInstitute.com).

## Biokinetics Biopharm e-Learning Institute

### **Introductory Courses**

- Introduction to Containment of Potent Compounds
- Introduction to Facility Design Part 1
- Introduction to Biopharm Manufacturing
- Introduction to Clean in Place
- Introduction to the Safe Handling of Biological Hazards

### **Creating Engineering Documents for Biopharm Manufacturing Processes**

- Piping and Instrumentation Diagrams Part 1
- Process Flow Diagrams

### **Designing and Specifying Equipment for Biopharm Manufacturing**

- Tangential Flow Filtration (TFF) Systems
- Economics of Disposable Process Equipment
- Bioreactor System Design Guide
- CIP System Design Guide
- General Bioprocess Equipment Design Guide Part 1
- General Bioprocess Equipment Design Guide Part 2







### **Validation**

- Help Guide to Understanding GAMP
- Factory Acceptance Testing - Process Control Systems
- Successful Commissioning
- Installation, Operational and Performance Qualifications

### **Regulatory**

- Process Analytical Technology

### **ENGINEERING DOCUMENTS ONLINE**

-  **Sanitary Stainless Steel Vessels**
-  **Sanitary Centrifugal Pumps**
-  **Sanitary Shell and Tube Heat Exchangers**
-  **Rotary Lobe Pumps**
-  **Peristaltic Pumps**
-  **Non-Sanitary Stainless Steel Vessels**