

Laboratory Techniques for the Educator Workshop Series for Instructors



Data Acquisition and Experimental Techniques Course for Biologists

Mohawk Valley Community College

Utica, NY

June 26-28, 2013

Course Overview:

Life Science educators who wish to strengthen their skill sets in computer-based data acquisition will want to take advantage of this course. Access to ADInstruments wide range of product offerings will provide the perfect environment for strengthening your software and hardware skills. Day one will begin with the basics of data acquisition using our flagship software LabChart. Day two will focus on the student experience using LabTutor teaching suite, LabTutor Server Best practices, and adapting LabTutor exercises for your curriculum. Day three will cover advanced LabAuthor topics and you will create your own LabTutor experiment from scratch.

Plenty of time is provided for a pace of learning that matches each individuals needs. Our unique approach ensures you get the attention you need irrespective of your experience level or that of any other attendee.

Benefits:

Attendees will gain an in-depth understanding of the major components needed to setup and effectively manage the student laboratory experience. Learning-by-doing amongst dedicated trainers and your colleagues is the quickest method by which to master the PowerLab systems you have dedicated to your curriculum. Exposing yourself to the wide range of applications discussed during this course will provide a much clearer perspective on future course planning and direction. Attendees can expect hands-on training sessions designed to develop primary and secondary skill sets, along with dedicated sessions focusing on hardware, software, and course management. Participants will learn how different components can be best brought together to optimize student outcomes.

Who Should Attend:

This workshop will be useful to all two and four-year life science educators seeking a structured, intensive program to quickly master successful PowerLab integration in the student laboratory. Attendees will benefit from a solid foundation of PowerLab hardware and software knowledge that can be extended to other more advance application-based courses made available throughout the year.

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Event Schedule:

If there is a specific topic you would like to cover outside of this schedule, one-on-one coaching sessions will be available. The agenda below is representative of the standard schedule but subject matter and times may change.

Day One

Morning Session

Please plan on arriving by 8:30

8:30 – 9:00 a.m.

- Breakfast/ Introductions

9:00 – 10:15 a.m.

- Introduction to Data Acquisition: LabChart

10:15 – 10:30 a.m.

- Coffee/Tea/Snack Break

10:30 – 12:30 p.m.

- LabChart Human Experiments

12:30 – 1:15 p.m.

- Break for lunch (provided)

Afternoon Session

1:15 – 2:30 p.m.

- Requested LabChart Experiment I

2:30 – 3:30 p.m.

- Advanced LabChart analysis: extensions and modules

3:30 – 3:45 p.m.

- Coffee/Tea/Snack Break

3:45 – 5:00 p.m.

- Requested LabChart Experiments II

Day Two

Morning Session

Please plan on arriving by 8:30

8:30 – 9:00 a.m.

- Breakfast

9:00 – 10:15 a.m.

- Introduction LabTutor teaching suite

10:15 – 10:30 a.m.

- Coffee/Tea/Snack Break

10:30 – 12:30 p.m.

- LabTutor Human Experiments

12:30 pm – 1:15 p.m.

- Break for lunch (provided)

Afternoon Session

1:15 – 2:30 p.m.

- LabTutor Best Practices and Student Licensing

2:30 – 3:30 p.m.

- Requested LabTutor Experiment I

3:30 – 3:45 p.m.

- Coffee/Tea/Snack Break

3:45 – 5:00 p.m.

- Requested LabTutor Experiment II
- LabTutor Server challenge

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Event Schedule continued:

Day Three: LabAuthor Master Course

Morning Session

Please plan to arrive by 8:30

8:30 – 9:00 a.m.

- Breakfast/ Introductions

9:00 – 10:15 a.m.

- Introduction to LabAuthor

10:15 – 10:30 a.m.

- Coffee/Tea/Snack Break

10:30 – 12:30 p.m.

- Advanced LabAuthor 1: starting from scratch

12:30 – 1:15 p.m.

- Break for lunch (provided)

Afternoon Session

1:15 – 2:30 p.m.

- Advanced LabAuthor 2: Tables, Graphs, Audio, Video

2:30 – 3:30 p.m.

- Advanced LabAuthor 3: Sub-Pages, Checkpoints and Learning Modules

3:30 – 3:45 p.m.

- Coffee/Tea/Snack Break

3:45 – 5:00 p.m.

- Build your own LabTutor experiment

Payment and Cancellation

Advanced payment in full is required to reserve your space at this event. Enrollment is limited to 9 attendees, so early registration is advised. Attendee lists will be filled on a first-come, first-serve basis in the order that payment is received. [Workshop admission is not official until you have received an ADInstruments' Invoice confirming your registration.](#) Please do not make travel plans until you have received an enrollment confirmation from ADInstruments.

Deadline for registration is 14 days prior to the event. Cancellations must be received no later than 14 days prior to the event to receive a 50% refund of the registration fee. No refunds will be issued if cancellation is received less than 14 days prior to the event.



ADInstruments in Education

Title: _____ First name: _____ Last name: _____

Name of additional attendees: _____

Company/Institution: _____ Department/Division: _____

Address for correspondence: _____

City: _____ State: _____

Zip: _____ Country: _____

Phone number: _____ Email address: _____

Emergency contact information: _____

Where did you hear about the workshop? Email Website Sales Rep Colleague
 Other _____

I will be attending: Day One (__) LabChart for Educators Day Three (__) LabAuthor Masters
Day Two (__) LabTutor Teaching Suite *The registration fee is \$400 for 2 days, \$450 for 3 days.

Please initial if you have any special needs or dietary restrictions we can plan for to make your day more enjoyable.

*Promo Code: _____

Payment & Cancellation

Training registration is not official until you have received an ADInstruments' invoice confirming your registration. Please do not make travel plans until you have received an enrollment confirmation from ADInstruments. Deadline for registration is 14 days prior to the event. Cancellations must be received no later than 14 days prior to the event to receive a 50% refund of the registration fee. No refunds will be issued if cancellation is received less than 14 days prior to the event.

Advanced payment in full is required to reserve your space at this event. Attendee lists will be filled on a first-come, first-serve basis in the order that payment is received. ADInstruments reserves the right to cancel the workshop twenty one days in advance if attendance quota is not met.

Fax, email, or phone your credit card information with registration.

Visa MasterCard American Express Discover

Tel: (719) 576-3970

Fax: (719) 576-3971

Email: workshop.na@adinstruments.com

Cardholder's name: _____

Card number: _____ Exp date: _____

Credit card billing address: _____