

Student Laboratory Techniques for the Educator Series



Laboratory Techniques for the Educator

Benedictine University
Lisle, IL
June 12-13, 2013

Course Overview:

ADInstruments is excited to sponsor this hands-on instructor development workshop with host Benedictine University. Benefiting from a first rate laboratory space and a focused two day agenda of learning, this early summer training event is not to be missed by anyone with interest in computer-based laboratory learning.

For educators of all levels seeking strategy on the latest browser-based student laboratory methods, this intensive course condenses all the need-to-know skills and information into a sensible plan you can apply to any student laboratory setting.

- Step-by-step how-to sessions with special guest presenters.
- Hands on experimentation with focus on proven college level human and animal student coursework.
- Benefit from instruction on the entire suite of ADInstruments software offerings and walk away with a broader perspective on protocol design and course development.
- Group size is limited to 12 attendees to allow for plenty of one-on-one interaction.
- Network with educators and discover what works and what doesn't in the ever-changing discipline of science instruction.

Who Should Attend:

ADInstruments has hosted professional development courses to hundreds of higher education life science instructors. Over many years, our education product team developed the Student Laboratory Techniques course to ensure every attendee is provided a thorough educator-focused PowerLab overview in a span of two intensive days of learning. If you're using or want to use computers to collect data in the lab with students, this course is for you.

- New or novice PowerLab users that would benefit from hands-on laboratory coaching delivering practical, easily applied methods for running student exercises.
- Educators transitioning into new teaching roles or responsibilities seeking to shortcut the computer-based data recording learning curve.
- Those responsible for curriculum development looking for inspiration and guidance from instructors with experimental design experience.

Student Laboratory Techniques for the Educator Series

- Those interested in building on their knowledge of recording, visualizing and analyzing data using PowerLab hardware and software over summer break.
- Step-by-step how-to sessions with special guest presenters.

Targeted training will help you unlock the full potential of your equipment and instruction. Develop new laboratory skills alongside like-minded peers in a comfortable and supportive environment.

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.

- 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. - Lunch

Afternoon Session

1:15 – 2:30 p.m.

- Introduction LabTutor teaching suite

2:30 – 3:30 p.m.

- LabTutor Human experiments

3:30 – 3:45 p.m.

- Coffee/Tea/Snack Break

3:45 – 5:00 p.m.

- Requested Metabolic experiments with LabChart and LabTutor

* Bring your favorite experiment to adapt to use the latest version of LabChart or LabTutor. Bring an electronic copy of your protocol (word, rtf, etc.), multi-media (movies, PowerPoint, graphics, etc.) and leave with a ready-to-use experiment for your course!

Day Two

Morning Session

Please plan on arriving by 8:30

8:30 – 10:15 a.m.

- LabTutor experiments II

10:15 – 10:30 a.m. - Coffee/Tea/Snack Break

10:30 – 12:30 p.m.

- Introduction to LabAuthor

12:30 pm – 1:15 p.m. Lunch

- Lunch Presentation: LabTutor Best Practices and Student Licensing

Afternoon Session

1:15 – 2:30 p.m.

- LabAuthor II Starting an experiment from scratch

2:30 – 3:30 p.m.

- Advanced LabAuthor III 3:Sub-Pages, HD Video, Learning Modules

3:30 – 3:45 p.m.

- Coffee/Tea/Snack Break

3:45 – 5:00 p.m.

- LabTutor Server challenge
- Build your own LabTutor experiment

Experimental Techniques Training Series

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 the Student Laboratory Techniques Training Course training course beginning 6/12/13 at Benedictine University. The registration fee is \$300 before May 12, 2013, and \$400 after. *Please initial

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

*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. Tel: (719) 576-3970
 Visa MasterCard American Express Discover Fax: (719) 576-3971
Email: workshop.na@adinstruments.com

Cardholder's name: _____

Card number: _____ Exp date: _____

Credit card billing address: _____