

*IMPORTANT—Register Early. Because of the individual attention required for the workshop, class size will be limited. Reservations will be accepted on a first come, first served basis.*

## Estimating 1 & 2

*Estimating 1 & 2 is the same course as Blueprint Reading & Material Take-Off previously offered by NLA.*

### Class Dates & Locations

#### **Fargo, ND**

April 8-9, 2019

Hosted by:



*Fargo Glass and Paint Co.*

#### **Sioux Falls, SD**

April 11-12, 2019

*\*\* Check the NLA website for additional classdates & locations.*

### Class Hours

8 am - 5 pm each day

### **Estimating 1** (Day 1)

#### **Introduction to Residential Construction and Blueprint Reading**

With an emphasis on how products sold everyday are used on the jobsite, participants will become familiar with residential construction processes, industry terminology, interpreting house plans and using scales.

Topics covered include:

- Product applications from foundation through finish
- Construction definitions and industry terminology
- Lumber grades and span tables
- Building material math – board footage, square footage and applying conversion factors
- Blueprint reading
- Using architectural and layout scales
- Estimating decks and railing

**Who Should Attend?** Any sales personnel working with contractors and DIY'ers will benefit, as well as those needing core level training to attend the Residential Material Take-Off workshop.

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### **Estimating 2** (Day 2)

#### **Basic Residential Material Take-Off**

This session will lead attendees through the process of completing a material take-off of residential structures. Emphasis is placed on developing a consistent method for measuring and applying formulas to produce an efficient take-off.

Attendees will receive hands-on experience working on an actual set of working drawings. Instruction will include various construction methods and estimating formulas while working on a basic home design with a trussed gable roof.

Topics covered include:

- Floor Framing
- Wall Construction
- Roof System
- Siding & Exterior Trim

**Who Should Attend?** Contractor sales personnel, inside sales support and others required to understand the fundamentals of residential construction and calculating quantities.

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### Instructor

Casey Voorhees is the Executive Director for the Western Building Materials Association. He has taught this program across the country for many LBM associations. With over 20 years experience leading the program, Casey understands the skills needed to provide your customers with an accurate take-off and good customer service.

# Northwestern Lumber Association Professional Development Program

## Estimating 1 & 2

**\*\*Please Note – Estimating 1 & 2 is the same course as Blueprint Reading & Material Take-Off previously offered by NLA.**

### Price Per Person

	NLA member	Regular
Day 1 & 2	\$495	\$745
	\$470 3 or more	NA
Certificate Enrollees	\$455	NA

Included in your registration fee is the course manual, set of blueprints, architectural scale and joist/truss layout scale. Lunch is also included in your fee. Hotel accommodations are not included. Information on a discount room block is listed to the right. **Attendees are required to bring a calculator and pencils.**



Online Registration Available  
at [www.nlassn.org](http://www.nlassn.org)

### Dates & Locations

#### Fargo, North Dakota - April 8 & 9, 2019

Class held at Fargo Glass and Paint Co  
1801 7th Avenue N, Fargo, ND 58108-3107

A hotel room block has been set-up at the County Inn & Suites. Call 701-234-0565 and ask for the NLA (Northwestern Lumber Association) Block rate \$89.00 + taxes. Discount block expires on March 11th

#### Sioux Falls, SD - April 11 & 12, 2019

Class held at Holiday Inn Express Empire Sioux Falls  
2501 South Shirley Ave, Sioux Falls SD 57106

A hotel room block has been set-up at the Holiday Inn Express Call 605.361.0122 and ask for the NLA (Northwestern Lumber Association) Block rate \$99.00 + taxes. Discount block expires on March 21st.

Questions? Contact Connie Johnson, Director of Professional Development (763) 595-4045 or [cjohnson@nlassn.org](mailto:cjohnson@nlassn.org).

Attendee Name	Class Location	Enrolled in Certificate/Diploma Program (Yes/No)	Price
TOTAL DUE			\$

Company Contact \_\_\_\_\_

Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

### Payment Options

- Credit Card
  - Mastercard
  - Visa
- Check

### Credit Card Information

Name on Card \_\_\_\_\_

Card # \_\_\_\_\_ Expiration Date \_\_\_\_\_ CSV-CODE \_\_\_\_\_

Billing Address \_\_\_\_\_  
*(if different than above)*

Signature \_\_\_\_\_ Date \_\_\_\_\_

**If you do not receive an email confirming your registration, please contact the NLA office.**

Cancellation Policy: Substitutions are accepted at any time for individual classes. (no substitutions allowed for certificate/diploma registrations) To receive a full refund, cancellation must be received by NLA 14 days prior to the class. Cancellation requests received between 4 and 13 days before the class will be subject to a 50% administration fee. No refunds will be given for cancellations received 3 business days or less prior to the class or for "no shows".