



# Estimating 1-2-3

## CLASS DATES & LOCATIONS

**Fayetteville, AR**  
March 9-11, 2021

## CLASS HOURS

8am - 5pm each day

## **Hotel Block Information**

Holiday Inn Express  
1251 N Shiloh Dr  
(479) 444-6006

Block Name: Mid-America Lumbermens

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

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

With an emphasis on how products sold everyday are used on the job site, 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 DIYers will benefit, as well as those needing core level training to attend the Residential Material Take-Off workshop.

## **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 Systems

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

## **Estimating 3 (Day 3) Advance Residential Material Take-Off**

The workshop will progress beyond basic house design and focus on some of the more difficult areas of completing framing take-offs including:

Topics covered include:

- Insulation & Wallboard
- Irregular floor and roof layouts
- Intersecting roof lines with over-framing including valley and jack rafters;
- Multi-pitched roofs
- Vaulted walls and ceilings, rake framing
- Additional time will be included for Doors, Windows and Millwork.

**Who Should Attend?** Contractor sales personnel, inside sales support and others required to understand more difficult residential construction and calculating quantities of doors, millwork, & windows.



# Estimating 1-2-3

**\*\*Please Note – Estimating 1 & 2 is the same course as Blueprint Reading & Material Take-Off previously offered by MLA. If students are not familiar with interpreting blueprints, using scales and general construction terminology they must take Estimating 1 - Introduction to Residential Construction and Blueprint Reading prior to attending Estimating 2 & 3. Estimating 3 cannot be taken as a stand-alone class.**

## CLASS DATES & LOCATIONS

**March 9-11: TBD**

**Fayetteville, AR**

PRICING PER PERSON	MLA member	Regular
Days 1 & 2	\$525	\$745
	\$495 - 3 or more	NA
Days 2 & 3	\$525	\$745
	\$495 - 3 or more	NA
All Three Days	\$725	\$945
	\$695 - 3 or more	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.**

*\*Check the MLA website for additional class dates & locations.*

Attendee Name	Class Date/ Location	Estimating 1	Estimating 2	Estimating 3	Price
<b>TOTAL DUE:</b>					<b>\$</b>

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

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

Address \_\_\_\_\_

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

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

### Payment Options

- Credit Card
- Check

### Credit Card Information

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

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

Billing Address \_\_\_\_\_

*(if different than above)*

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

**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 MLA 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".