

**A System of Grading (ASOG)
Course Syllabus**

Webinar: Introduction to the Course and A System of Grading

- Outcomes: 1) What is grading?
2) What part does ease play?
3) What is Sizing.
4) How spread sheets function in A System of Grading.

HOMEWORK

Fill out [questionnaire/survey](#).

Be sure I have your email.

Sign up for ASOG!

www.jillwolcottknits.com

[Email me](#) if you have questions.

BONUS

STAY WITH ME FOR AN [ADDITIONAL WEBINAR](#) ON HOW TO MAKE THIS A PRIORITY AND GET THROUGH A RIGOROUS SCHEDULE

Live Lab sessions are the key to completely understanding Grading and ASOG. I recommend making every effort to attend. Based on registrations, I will attempt to reschedule to a better time if it is possible.

Homework is due as indicated and will be returned as quickly as possible
Recorded Session videos and handouts are made available at 9 am Pacific time on Wednesdays, via Teachable

Calendar is a separate document

There is no class the week of May 1 through 8. I will be out of town and not available except via Slack.

ASOG 1: The Essentials of Grading Using ASOG (4 sessions)

- Session 1** **Understanding the Basics of Grading**
- i. Alpha & Numeric Sizing**
 - ii. How Come Ease Is Not Grading**
 - iii Why Ease is Applied To A Grading Structure!**
 - iv. Where Grading Occurs**
 - v. Who is Your Customer (and why it matters)**
 - vi. Resources**

Download: [Asog_Grade_Tables.pdf](#)
[Session 1 Outline.pdf](#)
[Session 1 Customer.pdf](#)
[Zoom Invite.pdf](#)
[Links for Slack & Dropbox.pdf](#)
[ASOG Planning 15 weeks.pdf](#)

- Outcomes: 1) How sizing is set and why it is essential for consistency;
 2) What is grading?
 3) What is ease?
 4) How grading and ease differ;
 5) Where grading occurs on any garment or sized accessory;
 6) Finding your customer; and
 6) A variety of useful resources.

HOMEWORK **Who is your customer?**
What sizing do you plan to use?
Get ASTM Sizing tables if possible.
Answer Homework Questions.

Session 2 **Using Spreadsheets & Formulas**

- i. **When to Use Formulas**
- ii. **How to use Formulas**
- iii. **When to Use Static Numbers**
- iv. **Working Between the Sheets**
- v. **Getting In Touch With Formulas**
- vi. **Checking your work**

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 [ASOG Planning 10 weeks.pdf](#)

Outcomes: 1) When and how to use formulas;
 2) Role of static numbers;
 3) Using repeatable sheets;
 4) What formulas you should be able to use.

HOMEWORK **Answer Homework Questions to practice using formulas, entering static numbers, and working between sheets.**

Session 3 **Setting up Grading Workbooks - Template & Cowl - ITR**

- i. **Sizing Tables that Include the Grades**
- ii. **Adding Ease**
- iii. **Setting Up An Outline of Your Cowl Project**
 - a. **What do you need to know?**
 - b. **Order of need**

Outcomes: 1) Setting up spread sheet sizing table(s);
 2) Adding ease to each size (Formulas and Static numbers);
 3) Creating an "outline" for a non-garment project in your spreadsheet or other document;
 4) Applying ease to your sizing chart.

HOMEWORK **Use the ASOG Cowl Road Map to create an ASOG Cowl Workbook. Work out the spread sheet using Stockinette (use both inches and centimeters). Create your outline for a non-shaped, single-piece project.**

Session 4 **Grading Workbooks - Getting the Numbers You Need In & Out**

- i. Sizing Tables that Include the Grades**
- ii. Adding Ease**
 - a. Mixing up using formulas and static numbers**
 - b. Making judgment calls**
- iii. Using an Outline to create the "magic" spread sheet of calculations**
- iv. Extracting the calculated results into a pattern**
- v. Creating a Spread Sheet to Check Your Pattern**
- vi. Annotating Your Spread Sheets**

- Outcomes:
- 1) Setting up spread sheet sizing table(s);
 - 2) Adding ease to each size to fit your project;
 - 3) Using an "outline" for a non-garment project to structure your spread sheet;
 - 4) Extracting information;
 - 5) Gauge & Stitch patterns.

- HOMEWORK**
- Refine your outline to fit your pattern format (or use the one I give you).
 What do you need to know? What order do you need to know it?
 - Create a checklist for getting numbers you need in and out of the spreadsheet.

ASOG 2: Creating Spreadsheets and Grading Accessories (4 sessions)

Session 5 Grading Non-Garment Projects Hat - ITR

- i. What Sizing Tables to Use?
- ii. Adding Ease
- iii. Setting Up An Outline of Your Project

- Outcomes:
- 1) Setting up spread sheet sizing table(s);
 - 2) Creating an "outline" of your Hat in your spreadsheet for applying ease;
 - 3) Adding ease to each size;
 - 4) Adding in shaping;
 - 5) Why I don't give you "rules" for designing.

HOMEWORK Use the ASOG Hat Road Map to create an ASOG Hat Workbook.
Work out the spread sheet using Stockinette (use both inches and centimeters).

Session 6 Grading Non-Garment Projects Hat - ITR

- i. Adjusting An Outline to Add Stitch Pattern
- iv. Adjusting for Stitch Pattern & Continuity

- Outcomes:
- 1) Setting up spread sheet sizing table(s);
 - 2) Adjusting an "outline" of your Hat in your spreadsheet for stitch pattern;
 - 3) Ease for each size;
 - 4) Shaping in stitch pattern;
 - 5) Adjust for stitch pattern and sizing continuity.

HOMEWORK Use the ASOG Hat Road Map to create an ASOG Hat Workbook.
Apply the Italian Chain Ribbing (6-stitch pattern) to the hat on a new spread sheet and make adjustments to get the stitch pattern to work in the same design.
Determine how to working the shaping and stitch pattern in the top of the hat to make it a satisfying design.

Session 7 **Grading Non-Garment Projects Shawl - flat, decreased Sizing Without a Tables.**
i. **Setting Up An Outline of Your Project**
ii. **Adjusting for Stitch Pattern & Continuity**

- Outcomes:
- 1) Using the spread sheet sizing table(s);
 - 2) Adding ease to create 3 to 5 sizes;
 - 3) Creating an "outline" of the Shawl in your spreadsheet for applying ease;
 - 4) Adding short row shaping to your spread sheet;
 - 5) How to accommodate for stitch pattern and sizing continuity.

HOMEWORK Use the ASOG Shawl Road Map to create an ASOG Shawl Workbook.
Work out the spread sheet using Garter (use both inches and centimeters).

Session 8 **Grading Non-Garment Projects Shawl - flat, using GSR, increased**
i. **Setting Up An Outline of Your Project**
ii. **Adjusting for Stitch Pattern & Continuity**

- Outcomes:
- 1) Using the spread sheet sizing table(s);
 - 2) Adding ease to create 3 to 5 sizes;
 - 3) Creating an "outline" of the Shawl in your spreadsheet for applying ease;
 - 4) Adding in short row shaping; and 5) How to adjust for stitch pattern and sizing continuity.

HOMEWORK Use the ASOG Shawl Road Map to create an ASOG Shawl Workbook.
Work out the spread sheet using Garter (use both inches and centimeters).
Apply the both the Lichen Stitch (4-stitch pattern) and Garter to the shawl on a new spread sheet, making adjustments to get the stitch patterns to work in the same design.

ASOG 3: Grading Simple Garments Using ASOG (4 sessions)

- Session 9** **Garments Done Flat (no shaping to body) - Tank Top With Shaped Armholes and Necklines (worked bottom up) to Armhole Divide**
- i. What Sizing Tables to Use?**
 - ii. Adding Ease**
 - iii. Setting Up An Outline of Your Project**
 - iv. Creating Spread Sheets:
 Body to Underarm**
 - v. Annotating Your Spread Sheets**

- Outcomes:
- 1) Set up your Sizing Table and Ease Sheet;
 - 2) Create an Outline;
 - 3) Do calculations to achieve your project numbers
 - 4) "Check" your numbers;

- HOMEWORK** Use the ASOG Tank Top Road Map to create an ASOG Tank Top Workbook. Work out the spread sheet using Stockinette (use both inches and centimeters). Choose your sizing structure. Add ease to create your design. For your chosen sizing structure, create a spread sheet to fill in your outline. Work out shaping. Check your numbers.

- Session 10** **Garments Done Flat (no shaping to body) - Tank Top With Shaped Armholes and Necklines (worked bottom up) Armhole Shaping to Shoulder Shaping**
- i. What Sizing Tables to Use?**
 - ii. Adding Ease**
 - iii. Setting Up An Outline of Your Project**
 - iv. Creating Spread Sheets:
 Armhole & Neck Shaping
 Check Your Pattern**
 - v. Annotating Your Spread Sheets**

- Outcomes:
- 1) Set up your Sizing Table and Ease Sheet;
 - 2) Create an Outline;
 - 3) Do calculations to achieve your project numbers
 - 4) "Check" your numbers;

HOMEWORK Use the ASOG Tank Top Road Map to create an ASOG Tank Top Workbook.
Work out the spread sheet using Stockinette (use both inches and centimeters).
Choose your sizing structure.
Add ease to create your design.
For your chosen sizing structure, create a spread sheet to fill in your outline.
Work out shaping.
Check your numbers.

Session 11 **Trims for Armholes & Necklines**
i. How can you calculate them?
ii. Adding or Subtracting Ease
iii. PU Ratios & Other tricks
iv. Adjusting for Stitch Pattern & Continuity

Outcomes:
1) Calculating trims;
2) How ease is used/applied;
3) Creating formulas;
4) How to adjusting for stitch pattern and sizing continuity.

HOMEWORK Apply the Italian Chain Rib (6-stitch pattern) as the trim, using smaller needles.
Calculate trims.

ASOG 4: Grading set-in sleeve garment and further shaping explorations (4 sessions)

- Session 12 Bust Darts, Set-In Sleeves, Taper Formula**
- i. **How to Add a Bust Dart Without Losing Your Mind**
 - ii. **Beginning & Length to Underarm Spread Sheet**
 - a. **Dividing the sleeve length and applying increases**
 - b. **Finding taper and rows for increases**
 - iii. **Armhole Relationship to Width at Underarm**
 - iv. **Sleeve Cap Things to Think About**

- Outcomes:
- 1) Creating ease sheet;
 - 2) Creating working spreadsheet and separate sheet for calculations needed;
 - 3) Using Even High and Low to find slope;
 - 5) Checking your Armhole and Width for compatibility.

HOMEWORK Add a sheet (or more) to a New Workbook for Taper.
Add formulas to get numbers for slope, rows, increases.

- Session 13 Cardigan ITR Vertical Darts, Dividing Stitch Pattern, Front Bands**
- i. **How does it differ from a pullover?**
 - ii. **Adding Ease**
 - iii. **Setting Up An Outline of Your Project**
 - iv. **Adjusting for Stitch Pattern & Continuity**
 - v. **Formulas to get front and back, center pattern, etc.**
 - vi. **Considering the Sleeve and Sleeve Cap**
 - vii. **At the Same Time, Create Necklines**
 - viii. **Make It Work in Pattern**

- Outcomes:
- 1) Using the spread sheet sizing table(s);
 - 2) Adding ease to create 5 sizes;
 - 3) Creating an "outline" of the project in your spreadsheet for applying ease;
 - 4) What can be used from the Tank spread sheets?
 - 5) Adding in panels of Stitch Pattern.

HOMEWORK Use the ASOG Cardigan Road Map to create an ASOG Cardigan Workbook.
Work out the spread sheet using the Chain (use both inches and centimeters).
Use as much as you can from previous work.

Session 14 **Creating a Set In Sleeve Cap to Fit Your Armhole**
i. **Create or Add to Sleeve to Underarm Sheet**
ii. **Calculating the Shaping**
iii. **How the Armhole and Sleeve Cap Relate**
iv. **Decrease or Short Row Cap**

- Outcomes:
- 1) How the sleeve cap relates to the armhole;
 - 2) How the sleeve cap can accommodate the shoulder and arm movement;
 - 3) Busting some common knitting myths;
 - 4) Using decreases and using short rows.

HOMEWORK Add a sheet (or more) to your Cardigan for a Sleeve and Sleeve Cap.
Add formulas to get numbers for decreases, rows to work, top shaping and bind off.
Work out the spread sheet using Chain (use both inches and centimeters).

Session 15 **Front Bands, Neck Trim, Reusing Sheets, Making Changes to Sheets**
i. **Considering final details**
ii. **Tricks to make reusing sheets easier**
iii. **Make It Work in Pattern**

- Outcomes:
- 1) The armhole and the sleeve have to work together;
 - 2) Finding the information you need to create the flat shapes of the upper body;
 - 3) Working the shaping on both sides (armhole and neckline);
 - 4) What considerations do stitch pattern require.

HOMEWORK Continue to work on your ASOG Cardigan
Finish your work.
Use your outline and checklist to make sure you have what you need to write a pattern.
Be sure you've answered everything you need!

ALL HOMEWORK is due by _____.

Return of Homework by _____.

Certificate of Completion** Issued on _____.

**To obtain a Certificate & Badge of Completion student must successfully complete and compile their homework for final review.