

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

10/23 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!
Email me if you have questions.

BONUS

**STAY WITH ME FOR AN ADDITIONAL QUICKIE WORKSHOP ON HOW TO
MAKE THIS A PRIORITY AND GET THROUGH A RIGOROUS SCHEDULE**

All Live Sessions are on Tuesdays (Sessions 1, 2, & 3)

All Labs are on Fridays

Recorded Session videos are made available on Mondays and Wednesdays
I am doing Recorded Sessions and the Lab Thanksgiving week.

SYLLABUS: ASOG

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I. The Essentials of Grading Using ASOG (2 sessions)

Session 1 Understanding the Basics of Grading

10/27

- 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. Resources

- 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) 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

10/29

- i. When to Use Formulas
- ii. When to Use Static Numbers
- iii. Working Between the Sheets
- iv. Getting In Touch With Formulas

- 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.

II. The Application of Grading Using ASOG (4 sessions)

- Session 3**
11/3
- 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**
11/4
- 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.

Session 5 **Grading Non-Garment Projects Hat - ITR**
11/9 **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**
11/11 **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.

II. Creating Shapes (4 sessions)

Session 7 **Grading Non-Garment Projects Shawl - flat, decreased**
11/16 i. **Sizing Without a Tables.**
ii. **Setting Up An Outline of Your Project**
iv. **Adjusting for Stitch Pattern & Continuity**

- Outcomes: 1) Using the spread sheet sizing table(s);
2) Adding ease to create 3 to 5 sizes; 3);
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
11/18 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.

Session 9 **Garments Done Flat (no shaping to body) - Tank Top With Shaped Armholes and Necklines (worked bottom up)**

- 11/23**
- i. **What Sizing Tables to Use?**
 - ii. **Adding Ease**
 - iii. **Setting Up An Outline of Your Project**
 - iv. **Creating Spread Sheets:
 Body to Underarm
 Armhole & Neck Shaping
 Check Your Pattern**
 - iv. **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 **Trims for Armholes & Necklines**

11/25

- 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.

III. Creating More Complicated Shapes (4 sessions)

Session 11 Bust Darts, Set-In Sleeves, Taper Formula

11/30

- 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 12 Cardigan ITR Vertical Darts, Dividing Stitch Pattern, Front Bands

12/2

- 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

- 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 13 Shaping the Upper Body (front and back)

12/7

- i. Considering the Sleeve and Sleeve Cap
- ii. At the Same Time, Create Necklines
- 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
Check 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!

Session 12 Creating a Set In Sleeve Cap to Fit Your Armhole

12/9

- 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).

ALL HOMEWORK is due by December 31, 2020.

Return of Homework by January 15, 2021.

Certificate of Completion** Issued on January 31, 2021.

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

Weekend	Monday	Tuesday	Wednesday	Thursday	Friday
October					
17/18	19	20	21	22	23 Introduction Webinar
24/25	26	27 Live Session 1: Grading Basics	28	29 Live Session 2: Spread Sheets & Formulas	30 Live Lab: Basics & Spread Sheets
November					
31/1	2	3 Live Session 3 - ITR - Setting up a Template & Cowl	4 Session 4: Getting numbers both in & out	5	6 Live Lab: Setting Up & Getting Numbers
7/8	9 Session 5 - ITR: Shaping A Hat	10	11 Session 6 - ITR: Adding Stitch Pattern to A Hat	12	13 Live Lab: Shaping, Stitch Pattern
14/15	16 Session 7: Decrease Shawl	17	18 Session 8: GSR & Increase Shawl Calculations & Stitch Patterns	19	20 Live Lab: Shawls, GSR, Stitch Pattern
21/22	23 Session 9 - Flat Tank: Bottom to Top	24	25 Session 10 - Flat: Adding Trims & Stitch Pattern	26	27 Live Lab: Tank Shaping, Trims, & Stitch Pattern
28/29	30 Session 11: Bust Darts, Set-in Sleeves & Taper				

Weekend	Monday	Tuesday	Wednesday	Thursday	Friday
December					
			1 2 Session 12: Creating a Cardigan & Vertical Shaping	3	4 Live Lab: Cardigans & Vertical Darts
5/6	7 Session 13: Shaping the Upper Body	8	9 Session 14: Shaping Sleeve Caps, Working the Taper	10	11 Live Lab: Everything Sleeves Certification
12/13	14	15	16	17	18