

JOAN MORAIS

COSMETICS SCHOOL

Professional Natural Hair Care Formulation Diploma Course Curriculum

WELCOME

INSTRUCTIONS AND COURSE MATERIALS

Materials: Professional Natural Hair Care Training Manual

SCHEDULE

7 LIVE Q+A SESSIONS

COURSE UPDATES

THE FORMULATORS GLOSSARY

MODULE 1: FUNDAMENTALS PART ONE

Lessons

- What is Natural Hair Care?
 - Materials: Define Natural Hair Care Worksheet**
- Hair
 - About Hair
 - Natural Hair Care Market
 - Studies and Professions of Hair
- The Science of Hair
 - Hair Physiology
 - Hair Chemistry
 - Hair Anatomy
 - Hair Structure
 - Hair Bonds
 - Hair States
 - Hair Density

- Hair Texture
- Hair Porosity
- Porosity Test
- Hair Shape
- Hair Heritage
- Hair Types
- pH
- Scalp Care
- Natural Textured Hair: Curly, Wavy, Kinky, Coily
 - Hair Memory
 - Hair Expression
 - Hair Structure
 - Men's Textured Hair
 - Children's Textured Hair
 - Hair Curl Patterns
 - Curl and Texture Systems
 - Curl Types 2A, 2B, 2C, 3A 3B, 3C, 4A, 4B, 4C
 - Hair Density
 - Hair Porosity
 - LOC Method
 - Porosity Test
 - Hair Shape
 - Hair Elasticity - Hair Shrinkage
 - Hair Length
 - Sheeny, Shiny Hair
 - Moisture is Vital
 - Hair Breakage
 - Prevention of Hair Breakage
 - Scalp Care
 - Transitioning to Natural Hair
 - Gentle Care for Natural Textured Hair
 - Natural Hair Care Products for Textured Hair

- Silicone/Dimethicone Controversy
- Protein
- pH
- Natural Hair Care Products for Natural Textured Hair
- Hair is a gift
- Hair Growth and Hair Length
 - Hair Growth Cycle
 - Hair Loss
 - Hair Breakage
 - Scalp Care
- Containers
 - Containers for Hair Care Products
 - Violet Glass Containers
 - Sustainability
 - New Garbage
 - Less Plastic
 - Post Consumer Recycled
 - Ocean Bound
 - Ocean Captured Plastics
 - Container Pros and Cons
 - Ordering Containers
- Labeling
 - Product Label
 - INCI Declaration
 - Trade Name
 - Books
 - Printer for Professional Labels
- Pricing Products
 - Sustainable Product Pricing
 - Pricing Strategies
 - Cost Plus Pricing
 - Calculating Cost of Goods

- Gross Profit Margin
- Markup
- Calculating Cost of Goods
- Product Pricing Worksheets

Materials: Product Pricing Cost of Goods Worksheet

- Raw Materials
 - Raw Materials and Lot Number Log
 - INCI and Trade Names

Materials: Suppliers Master Listing

Suppliers Location

Order Placement

Raw Materials Lot Number Log

- Processes of Cosmetic Ingredients
- 12 Principles of Green Cosmetic Chemistry
- Raw Materials Lecture
- Antioxidants
- Butters
- Clays and Powders
- Conditioning Agents and Proteins
- Emulsifiers
- Essential Oils

Materials: Essential Oils Manual

Quick Reference Aromatherapy Chart

- Herbs, Flowers and Fruits
- Humectants and Moisturizers
- How to Make Aloe Vera Juice 200x
- Hydrosols
- Plant Oils
- Preservatives
- Solubilizers, Silicone Alternatives, Solvents
- Surfactants, Refatting Agents
- Thickeners, Polymers, Slurry, Waxes
- Guest Interview

- Module 1 Questions and Comments
- Module 1 Wrap Up
- Module 1 Review Quiz
- Module 1 Resources
 - Books
 - Videos
 - Supplier Discount Codes
 - Container and Packaging Suppliers
 - Major Container Suppliers
 - Raw Material Suppliers
 - Raw Material Distributors
 - Professional Labeling Companies
 - DIY Labels
 - Pricing Products Software
 - Natural Product Association
 - Whole Food Standards
 - Organic Certification

MODULE 2: FUNDAMENTALS PART TWO

Lessons

- Equipment
 - Formulating and Batch Making Equipment
 - Level 1: Beginning Kitchen Equipment
 - Level 2: Small Batch and Lab Equipment
 - Level 3: Medium Batch Equipment
 - Level 4: Large Batch Equipment
 - Utensils
 - Thermometers
 - Beakers
 - Vessels
 - Mixers
 - Immersion Blenders
 - Overhead Stirrers
 - Homogenizers

- Heating Elements
- Scales
- Straining
- Bottle Fillers
- Induction Sealers
- Stainless Steel Tables
- Utility Carts
- Shelving
- Testing Equipment
- pH Meters
- Lab and Manufacturing Suppliers
- Weighing
- Cosmetic Claims
- Cosmetic Categories
- FDA Homemade Cosmetics
- Vegan, Plant-Based, Clean Beauty
- Cruelty-Free Certified
- Natural and Organic Certifications
- Organic Cosmetics
- Formulating Cosmetics Part One: Building the Formula
 - **Materials: Formula Blank Worksheet**
 - Building the Formula
 - The Math - Calculating the Formula
- Formulating Cosmetics Part Two: Making the Formulation
 - **Materials: Product Development Profile Brief**
 - Formulating
 - Product Development and Benchmark
 - Creating a Synergy
 - Formula
 - Make a Slurry
 - Viscosity
 - Condensation/Evaporation

- Pre-Made Solutions
- Phases
- Adjusting the Formula
- Formulating Hair Care Products + Tips
- Laboratory Notebook
 - **Materials: Lab Notebook Template**
- Evaluating Hair Care Products
 - **Materials: Product Feedback Questionnaire**
- Natural Preserves Lecture
- GMP- Good Manufacturing Practices
 - **Materials: Batch Making Log**
 - **Quality Control Log**
 - **Microbial Kit Testing Log**
 - **Microbial Lab Testing Log**
 - **Everything to Know on Cleaning and Sanitization**
- Manufacturing
- Sanitizing
- Record Keeping
- Standard Operating Procedures (SOP's)
- Batch Making Log
- Quality Control Log
- Microbial Kit Testing Log
- Microbial Lab Testing Log
- pH Testing and Adjusting
 - How to Test pH
 - pH for body, hair skin care products
 - Adjusting the pH
 - Calibrating pH meter
 - Storing the pH meter
- Pre-Market Testing, Microbial Testing
 - Challenge Testing
 - Batch Testing
 - Stability Testing

- Incubator Testing
- DIY Testing Kits
 - Module 2 Questions and Comments
 - Module 2 Wrap Up
 - Module 2 Review Quiz
 - Module 2 Resources
 - Lab and Manufacturing Suppliers
 - pH Meters
 - Scales
 - Mixing Equipment for Batch Making
 - Lab Mixers
 - Lab Homogenizers
 - Immersion Blenders
 - Heating Elements
 - Vessels for Mixing
 - Tables, Utility Carts, Shelving
 - Bottle Fillers, Batch Number Stamps
 - Testing Kits
 - Incubators
 - Cosmetic Testing Labs
 - Trade Publications
 - Product Liability Insurance
 - FDA
 - Europe Regulations

MODULE 3: SHAMPOO

Lessons

- Shampoo
- About the Balancing Shampoo Formulations
- Original Balancing Shampoo
- Balancing Shampoo for Moisturizing and Textured Hair
- Moisture Shampoo
- Thickening Shampoo

- Using Sodium Lauroyl Lactylate with Decyl Glucoside
- Blue Lotus Blossom Shampoo
- Lava Shampoo
- Clean Beer Shampoo
- Hydrating Shampoo
- Hibiscus and Marula Co-Wash
- Guest Interview
 - Module 3 Questions and Comments
 - Module 3 Wrap Up
 - Module 3 Review Quiz
 - Module 3 Resources

MODULE 4: HAIR CONDITIONER AND HAIR MASK

Lessons

- Hair Conditioner and Hair Mask
- Moisturizing Conditioner
- Testing pH of Conditioner
- Bottling and Labeling Hair Conditioner
- Blue Lotus Blossom Conditioner
- Base Leave-In Conditioner #1
- Base Leave-In Conditioner #2
- Brazilian Botanical Leave-In Conditioner
- Hydrating Leave-In Conditioner for 4B, 4C Hair + thin and fine hair
- Natural Leave-In Hair Detangler
- Coconut Milk and Banana Hair Mask
- Luminous Clay Mask
- Papaya and Coconut Hair Mask
- Guest interview

- Module 4 Questions and Comments
- Module 4 Wrap Up
- Module 4 Review Quiz
- Module 4 Resources

MODULE 5: HAIR RINSE, MIST, GEL & SERUM

Lessons

- Hair Rinse and Hair Mist
- Hair Rinse
- Hair Mist
 - Wild Orchid Moisturizing Mist
 - Tasmanian Lavender Hydrating Mist
- Hair Gel and Hair Serum
- Hair Gel
 - Rose of Jericho and Yerba Santa Hair Gel
 - **Materials: Pectin Gel Formula and Procedure**
- Edge Control
- Hair Serum
 - Straightening and Smoothing Styling Serum
 - Glossy Locks and Curls Serum Formulation
- Guest Interview

- Module 5 Questions and Comments
- Module 5 Wrap Up
- Module 5 Review Quiz
- Module 5 Resources

MODULE 6: HAIR OIL, BEARD OIL, HAIR BUTTER, POMADE

Lessons

- Hair Oil and Beard Oil
 - Hair Oil
 - Basic Strengthening Hair Oil
 - Amazon Rainforest Lily Hair Oil
 - Miracle Moringa Scalp & Hair Regenerating Oil
 - Black Castor Oil Scalp Soother
 - Hair Growth Drops
 - Baobab Beard Oil
 - Hair Butter and Pomade
 - Replenishing Macadamia Hair Butter
 - Pomade
 - Moisturizing Pomegranate Pomade
 - Lime & Avocado Butter Pomade
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- Module 6 Questions and Comments
 - Module 6 Wrap Up
 - Module 6 Review Quiz
 - Module 6 Resources

MODULE 7: HERBS 101 AND HERBAL EXTRACTS

Lessons

- Herbs for Hair Care
- Herbs 101
 - Materials: 47 Herbal Extracts Manual**
 - Lavender Varieties eBook**
 - Calendula Oil eBook**
 - Homemade Rosewater**
 - How to Make Homemade Hydrosols**
- Herbal Vinegar
- Herbal Water/Tea Infusions
- Herbal Alcohol Extract

- Herbal Glycerin Extract
- Herbal Oil Extract
 - Module 7 Questions and Comments
 - Module 7 Wrap Up
 - Module 7 Review Quiz
 - Module 7 Resources

- Final Information

FINAL EXAM QUIZ

RECEIVE YOUR DIPLOMA CERTIFICATION UPON COMPLETION
(course requirements must be met to receive the diploma
certification, including passing the final exam)

Lesson: Instructions and Course Materials

Pro Hair Curriculum

Pro Hair Training Manual

Lesson: What is Natural Hair Care?

Define Natural Hair Care

Lesson: Raw Materials Overview and Lot Number Log

Suppliers Master Listing pdf

Suppliers Master Listing doc

Suppliers Location pdf

Suppliers Location doc

Suppliers Location blank

Order Placement pdf

Order Placement doc

Raw Material Lot Number Log pdf

Raw Material Lot Number Log doc

Lesson: Essential Oils

Quick Reference Aromatherapy Chart

Lesson: Formulating Cosmetics Part One

Emulsion Formula Sheet

Formula Blank Sheet

Lesson: Formulating Cosmetics Part Two

Product Development Profile Brief

Lesson: Laboratory Notebook

Laboratory Notebook Template

Lesson: Evaluating Hair Care Products

Product Feedback Questionnaire

Lesson: GMP Good Manufacturing Practices

Batch Making Log
Quality Control Log
Microbial Kit Testing Log
Microbial Lab Testing Log
Everything to Know on Cleaning and Sanitization in Cosmetics

Lesson: Hydrating Shampoo for 4B, 4C Hair

Hydrating Shampoo Formula and Procedure

Lesson: Natural Leave-In Hair Detangler

Natural Hair Detangler Formula and Procedure

Lesson: Hydrating Leave-In Conditioner for 4B, 4C Hair

Hydrating Leave-In Conditioner Formula and Procedure

Lesson: Hair Gel

Pectin Gel Formula and Procedure

Lesson: Herbs 101

47 Herbal Extracts eBook

Lavender Varieties eBook

Calendula Oil eBook

Homemade Rosewater eBook

How to Make Hydrosols eBook