

BOTANY & WILDCRAFTING COURSE

BOTANY & WILDCRAFTING COURSE OUTLINE

UNIT 1: INTRODUCTION TO PLANT BIOLOGY & ECOLOGY

Lesson 1: Introduction to Plant Biology & Ecology

- Introduction to the Course
- Here's How the Course Works

Lesson 2: Plants as Living Beings

- The Plant Kingdom & the Evolution of Life
- Prokaryotes
- Eukaryotes
- How Do Plants Get Energy?
- Plant Reproduction
- Plant Development
- Plant Cells & Tissues

Lesson 3: Understanding Ecological Relationships

- What is Ecology?
- Plants & Pollinators: Pollination Strategies
- Pollinators (VIDEO)
- Plants & Seed Dispersal
- Plants & Soil Microorganisms
- Plant-Plant Relationships
- Plants & Their Environment
- Disturbance

Lesson 4: Bioregional Herbalism

- The Benefits of Locally Based Herbalism
- Practices & Actions
- Responsibilities



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UNIT 2: PLANT IDENTIFICATION SKILLS

Lesson 1: Plant Morphology & Taxonomy

- Basic Taxonomy
- Botanical Terms Glossary
- Botanical Features Slideshow (VIDEO)
- Other Ways to Identify Plants

Lesson 2: Botanical Features & Using a Dichotomous Key

- Botanical Keys
- Using Botanical Keys
- Putting Together a Keying Kit
- Plant Identification (VIDEO)

Lesson 3: Learning Patterns of the Plant Kingdom

- Plant Family Patterns (VIDEO)
- Gymnosperms
- Angiosperms

Lesson 4: Learning Plants through Drawing

- Discovering Plants Through Drawing (VIDEO)
- Botanical Illustrations Workbook

Lesson 5: Creating an Herbarium

- What is an Herbarium?
- How are Herbaria Organized?
- The History of Herbaria
- The Importance of Herbaria
- Herbaria Around the World
- Using Online Herbaria
- Creating Your Own Herbarium
- Creating An Herbarium (VIDEO)



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UNIT 3: WILDCRAFTING ETHICS & TECHNIQUES

Lesson 1: Wildcrafting & Harvesting

- Wildcrafting (VIDEO)
- Considerations and Core Ethics
- Preparation & Planning
- Technique

Lesson 2: At-Risk Plants

- The Root of the Problem
- Cultivating a Solution
- At-Risk Plant Walk (VIDEO)
- The United Plant Savers' At-Risk Assessment Tool

Lesson 3: Common Wild Herbs & Edibles

- Urban Foraging (VIDEO)
- Wild Herb and Edible Plant Monographs

Lesson 4: Drying Herbs: Considerations and Techniques

- Why Dry Herbs?
- First Step: Prepare Your Herbs for Drying
- Choosing a Drying Method
- Considerations for Optimal Drying
- Checking for Dryness
- Federal, State, & Local Regulations
- Processing & Storing Herbs

Lesson 5: Making Simple Herbal Preparations

- Water-Based Extracts: Infusions & Decoctions
- Tinctures
- Syrups
- Infused Oils
- Salves
- Poultices & Compresses



BOTANY & WILDCRAFTING COURSE

- Recommended Usage Guidelines
- Botany & Wildcrafting Course Conclusion

