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CH.	CHAPTER NAME (7TH ED.)	NEW TEXTBOOK	CH.	CHAPTER NAME
1	History and Career Opportunities	Nail Technology	1	History and Career Opportunities
2	Life Skills	Foundations	1	Life Skills
3	Your Professional Image	Foundations	2	Professional Image
4	Communicating for Success	Foundations	3	Communicating for Success
		Foundations	4	The Healthy Professional <b>NEW</b>
5	Infection Control: Principles and Practices	Foundations	5	Infection Control
6	General Anatomy and Physiology	Nail Technology	2	General Anatomy and Physiology
7	Skin Structure, Growth, and Nutrition	Nail Technology	3	Skin Structure, Disorders and Diseases
8	Nail Structure and Growth	Nail Technology	4	Nail Structure, Disorders and Diseases
9	Nail Disorders and Diseases	Nail Technology	4	Nail Structure, Disorders and Diseases
10	The Basics of Chemistry	Foundations	6	Chemistry & Chemical Safety
11	Nail Product Chemistry Simplified	Nail Technology	5	Nail Product Chemistry
12	The Basics of Electricity	Foundations	7	Electricity & Electrical Safety
13	Manicuring	Nail Technology	6	Manicuring
14	Pedicuring	Nail Technology	7	Pedicuring
15	Electric Filing	Nail Technology	8	Electric Filing
16	Nail Tips and Wraps	Nail Technology	9	Nail Tips and Forms
		Nail Technology	10	Nail Resin Systems <b>NEW</b>
17	Monomer Liquids and Polymer Powder Nail Enhancements	Nail Technology	11	Monomer Liquids and Polymer Powder Nail Enhancements
18	UV and LED Gels	Nail Technology	12	Gel Nail Enhancements
19	The Creative Touch	Nail Technology	13	Nail Art
20	Seeking Employment	Foundations	8	Career Planning
21	On the Job	Foundations	9	On the Job
22	The Salon Business	Foundations	10	The Beauty Business



Nail Technology, 7th Edition



Nail Technology, 8th Edition



Standard Foundations

# MILADY STANDARD NAIL TECHNOLOGY 7th TO 8th EDITION REVISION SYNOPSIS

## NOTE TO EDUCATORS

There are many changes in the 8th edition of *Milady Standard Nail Technology*. The requirements for practicing professional nail services have expanded, as demand in the multibillion-dollar marketplace for personal services and products continues to surge. More nail technicians are becoming entrepreneurs, taking on leadership roles for both the corporate and private sectors and flourishing in businesses that focus on nail design. The need for more relevant training in infection control, science, and business has never been more important. It is also imperative that we—as nail technicians—maintain strong demarcation lines as providers, ensuring that we do not serve beyond the boundaries of our scope of practice.

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This transition guide was developed to share the primary differences between the 7th and 8th editions and to describe how such core chapters as life skills, infection control, and business skills can now be found in *Milady Standard Foundations*. Educators will learn the extent to which chapter content has changed or remained the same as well as explore updated forms, such as consent forms, that have been designed ready for use. Additionally, there are exciting new activities to be considered throughout each chapter, designed for student and educator engagement and to foster mentorship that will direct students along their way.

## GLOBAL CHANGES

New features added to the 8th edition that are found throughout the textbook include the following:

1. Chapter learning objectives are now used as the titles of the major sections themselves. This is done for ease of reference and to reinforce the main competencies that are critical to learn in each chapter to prepare for licensure. In addition, learning objectives have been written to focus on measurable results, making it clear to students what they should be able to do after mastering each section.
2. Each chapter's first learning objective addresses the most important reasons for studying that subject.
3. Competency progress boxes have been added to the end of each student lesson. Students should check off objectives that they feel they have mastered and return to those sections in the chapter that need further review.
4. Key terms appear at the end of the chapter as part of the chapter glossary, in a running list with page numbers and definitions. These glossaries are an easy way for students to review vocabulary and create flashcards as needed.
5. The review questions that appeared at the end of each chapter in the previous edition are now interspersed throughout the chapter as Check In questions. The intent is for the student to test their understanding of the chapter information in small bites, before moving on. As instructors, you may still ask students to write the answers to the check in questions or use them as discussion questions in the classroom. The check in questions appear at the end of every major topic and tie back to the learning objectives of the chapter.

## CHAPTERS LOCATED IN MILADY STANDARD FOUNDATIONS, 1st EDITION

Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Life Skills	<p><b>Chapter 1 – Life Skills</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain life skills.</li> <li>2. List the principles that contribute to success.</li> <li>3. Design a mission statement.</li> <li>4. Set long-term and short-term goals.</li> <li>5. Demonstrate effective time management.</li> <li>6. Employ successful learning tools.</li> <li>7. Define ethics.</li> <li>8. Develop a positive personality and attitude.</li> </ol>	<p><b>Chapter 2 – Life Skills</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. List the principles that contribute to personal and professional success.</li> <li>2. Create a mission statement.</li> <li>3. Explain how to set short- and long-term goals.</li> <li>4. Discuss the most effective way to manage time.</li> <li>5. Describe good study habits.</li> <li>6. Define ethics.</li> <li>7. List the characteristics of a healthy, positive attitude.</li> </ol>	<p><b>Synopsis of significant changes between 1st Ed. Foundations &amp; 7th Ed. Nail Technology</b></p> <p>Note for all chapters: Terminology adjusted from <i>nail technician</i> to <i>beauty professional</i> to encompass all beauty and wellness disciplines.</p> <p>Business locations generically refer to all possible locations across the beauty and wellness areas, as “salons, spas, and barbershops.” During class, you can use the language that makes sense for your area of specialization. In this case, you can refer to spas, salons, wellness centers, and more.</p> <ul style="list-style-type: none"> <li>• List of essential life skills is fundamentally the same, but modified and updated from last edition</li> <li>• “Guidelines for Success” section appears under “List the Principles That Contribute to Success”</li> <li>• The section on study skills is referred to as “Employ Successful Learning Tools” and includes “Rules for Success”</li> <li>• “Personality Development and Attitude” is now “Develop a Positive Personality and Attitude”</li> <li>• “Recognizing and Managing Stress” has been removed as a section and guidelines for alleviating stress appear throughout the chapter</li> </ul>

Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Professional Image	<p>Chapter 2—Professional Image</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain professional image.</li> <li>2. Employ image-building basics.</li> <li>3. Demonstrate a professional attitude.</li> <li>4. Create your personal portfolio.</li> <li>5. Implement social media best practices.</li> </ol>	<p>Chapter 3—Your Professional Image</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Discuss the importance of professional image.</li> <li>2. Explain the concept of dressing for success.</li> <li>3. Discuss ergonomic principles and demonstrate ergonomically correct postures and movements.</li> </ol>	<p>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></p> <ul style="list-style-type: none"> <li>• Discussion on personal hygiene appears under section “Employ Image-Building Basics,” along with personal grooming content</li> <li>• “Behaving Professionally” subsection covered in <i>Standard Foundations</i> Chapter 3: Communicating for Success</li> <li>• New content on soft skills, customer service, work ethic, time management, and continuing education</li> <li>• New content on personal portfolios and guidelines to adhere to</li> <li>• New content on social media best practices</li> <li>• Ergonomics content now appears in <i>Standard Foundations</i> Chapter 4: The Healthy Professional</li> <li>• New activity “Get Professional” for students to consider qualities that they will bring to work and school</li> <li>• New activity “People Watching” for students to identify nonverbal communication around them</li> </ul>

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Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
<p><b>Communicating for Success</b></p>	<p><b>Chapter 3—Communicating for Success</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain communicating for success.</li> <li>2. Practice communication skills.</li> <li>3. Conduct the client consultation.</li> <li>4. Handle communication barriers.</li> <li>5. Follow guidelines for workplace communication.</li> </ol>	<p><b>Chapter 4—Communicating for Success</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. List the golden rules of human relations.</li> <li>2. Define effective communication.</li> <li>3. Conduct a successful client consultation/needs assessment.</li> <li>4. Explain how to handle an unhappy client.</li> <li>5. Describe how to build open lines of communication with coworkers and salon managers.</li> </ol>	<p><b>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></b></p> <ul style="list-style-type: none"> <li>• “Human Relations” and “Communication Basics” are both covered under “Explain Communicating for Success”</li> <li>• A generic client intake form is included in the text; see <i>Nail Technology</i> Chapter 6: Manicuring for a nails-specific client consultation form</li> <li>• A sample client record form no longer appears in the core textbook</li> <li>• Nonverbal communication is discussed in <i>Standard Foundations</i> Chapter 2: Professional Image</li> <li>• From preparation to conclusion, “The Client Consultation” is very similar, but has also been made generic to address multiple disciplines</li> <li>• Of the 10 steps of the consultation, #7 appears as “Recommend” instead of “Make Suggestions”</li> <li>• “Special Issues in Communication” is now “Handle Communication Barriers”</li> <li>• “In-Salon Communication” is “Follow Guidelines for Workplace Communication,” with “Communicating with Managers” moved to a Focus On box</li> <li>• New activity “Service Experience” for students to evaluate communication during their personal beauty and wellness services</li> <li>• New activity “Unhappy Clients” for students to role-play addressing client concerns and practice self-awareness</li> </ul>

Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Health/Nutrition	<p><b>Chapter 4—The Healthy Professional</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the healthy professional.</li> <li>2. Discuss nutritional needs in a beauty context.</li> <li>3. Practice proper hydration.</li> <li>4. Describe how immunity keeps the body safe.</li> <li>5. Explain when to take a sick day.</li> <li>6. Identify common beauty professional health issues.</li> <li>7. Protect yourself with proper body mechanics.</li> <li>8. Recognize the challenges posed by pregnancy.</li> </ol>	NEW TO THE THIS EDITION	<p><b>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></b></p> <ul style="list-style-type: none"> <li>• Further discussion of the importance of nutrition, including vitamins, and hydration for skin health can be found in <i>Nail Technology</i> Chapter 3: Skin Structure, Disorders, and Diseases</li> <li>• An extended discussion of overexposure and prevention can be found in <i>Nail Technology</i> Chapter 5: Nail Product Chemistry</li> <li>• Ergonomics, including new material on proper lifting, appears under “Protect Yourself with Proper Body Mechanics”</li> <li>• New content on immunity and antibiotics</li> <li>• New content on when to take a sick day and preventing infection</li> <li>• New content on common beauty professional health issues: allergies (overexposure); back, hip, and foot pain; dehydration; and hair splinters and cuts</li> <li>• New content on pregnant clients and working while pregnant</li> <li>• New activity “Nutrition Tracking” for students to track what they eat and build awareness of their own nutrition</li> </ul>

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Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Infection Control	<p><b>Chapter 5— Infection Control</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain infection control.</li> <li>2. Describe federal and state regulatory agencies.</li> <li>3. Recognize the principles of infection.</li> <li>4. Identify different types of pathogens.</li> <li>5. Employ the principles of prevention.</li> <li>6. Follow standard precautions to protect yourself and your clients.</li> <li>7. Demonstrate safe work practices and safety precautions.</li> </ol>	<p><b>Chapter 5— Infection Control: Principles and Practices</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Discuss state laws and rules and the differences between them.</li> <li>2. List the types and classifications of bacteria.</li> <li>3. Define hepatitis and human immunodeficiency virus (HIV) and explain how they are transmitted.</li> <li>4. Explain the differences between cleaning, disinfecting, and sterilizing.</li> <li>5. List the types of disinfectants and how they are used.</li> <li>6. Discuss Standard Precautions.</li> <li>7. List your responsibilities as a salon professional.</li> <li>8. Describe how to safely clean and disinfect salon and spa tools and implements.</li> </ol>	<p>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></p> <ul style="list-style-type: none"> <li>• Material Safety Data Sheet (MSDS) discussion updated to SDS, expanded, and moved to <i>Standard Foundations</i> Chapter 6, Chemistry &amp; Chemical Safety</li> <li>• Use of <i>hospital disinfectants</i> as a term greatly diminished to match changes in official classification</li> <li>• “Principles of Infection” expanded with new content and a focus on modes of transmission and their prevention</li> <li>• Bacterial classifications, movement, growth, and reproduction removed due to being out of the scope and expertise of beauty professionals</li> <li>• New content on MRSA and HSV, with formalized content on mycobacterium and HPV</li> <li>• Coverage of HIV/AIDS destigmatized by combining with hepatitis and the discussion of bloodborne pathogens</li> <li>• New content on biofilms, a fifth potentially harmful organism that beauty professionals should be aware of</li> <li>• Immunity covered in <i>Standard Foundations</i> Chapter 4: The Healthy Professional</li> <li>• Hand washing and waterless hand sanitizers presented earlier in the chapter, alongside cleaning practices and antiseptics</li> <li>• Phenolic disinfectants heavily cautioned against due to numerous downsides and unavailability</li> <li>• Dispensary etiquette removed</li> <li>• New section on personal protective equipment (PPE), particularly gloves</li> <li>• First aid section removed</li> </ul>

Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
			<ul style="list-style-type: none"> <li>• Discussion of individual client packs removed</li> <li>• “The Professional Salon Image” expanded in “Demonstrate Safe Work Practices and Safety Precautions” section, with new content on many topics, including high-risk clients</li> <li>• Updated procedures for hand washing; cleaning and disinfecting nonporous, reusable items; handling an exposure incident: client injury; and handling an exposure incident: employee injury</li> <li>• “Disinfecting Foot Spas and Pedicure Equipment” is covered in <i>Nail Technology</i> Chapter 7: Pedicuring, including cleaning and disinfection Procedures 7–3 and 7–4</li> <li>• Additional discussion on cleaning and disinfecting metal bits can be found in <i>Nail Technology</i> Chapter 8: Electric Filing, including Procedure 8–1</li> <li>• New activity “Infection Control on the Home Front” for students to consider how often they clean and disinfect at home</li> <li>• New activity “Stopping the Transmission” for students to identify sources of contamination and transmission in the classroom and how to prevent them</li> <li>• New activity “Attacking the Source” for students to consider where bacteria might grow on the job or in the classroom and how to prevent it</li> </ul>

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Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Chemistry	<p>Chapter 6—Chemistry &amp; Chemical Safety</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain chemistry and chemical safety.</li> <li>2. Identify the basics of chemical structure.</li> <li>3. Explain the differences between solutions, suspensions, and emulsions.</li> <li>4. Describe potential hydrogen and how the pH scale works.</li> <li>5. Summarize neutralization and redox reactions.</li> <li>6. Practice chemical safety.</li> <li>7. Interpret safety data sheets.</li> </ol>	<p>Chapter 10—The Basics of Chemistry</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the difference between organic and inorganic chemistry.</li> <li>2. Discuss the different forms of matter: elements, compounds, and mixtures.</li> <li>3. Explain the difference between solutions, suspensions, and emulsions.</li> <li>4. Explain pH and the pH scale.</li> </ol>	<p>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></p> <ul style="list-style-type: none"> <li>• All material covered and/or expanded upon</li> <li>• Updated and expanded content on Safety Data Sheets (SDSs), including hazards and vocabulary</li> <li>• New content on chemical safety, including labels, transportation, storage, mixing, and disposal</li> <li>• Additional material on neutralization and redox reactions, as well as exo- and endothermic reactions</li> <li>• New activity “Warning Labels” for students to gain experience reading product labels and researching active ingredients</li> </ul>

Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Electricity	<p><b>Chapter 7 – Electricity &amp; Electrical Safety</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain electricity and electrical safety.</li> <li>2. Outline electrical theory.</li> <li>3. Practice electrical equipment safety.</li> <li>4. Identify electrotherapy modalities.</li> <li>5. Discuss light energy.</li> </ol>	<p><b>Chapter 12 – The Basics of Electricity</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the nature of electricity and list the differences between the two types of electric current.</li> <li>2. List and define the units of electrical measurements.</li> <li>3. Explain the relationship between a long and short wavelength, and between low and high frequency.</li> <li>4. Describe how to safely use electrical equipment in the salon.</li> <li>5. List and define the three different types of electrical safety devices.</li> </ol>	<p><b>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></b></p> <ul style="list-style-type: none"> <li>• All material covered and/or expanded upon</li> <li>• “Electrical Equipment Safety” appears as “Practice Electrical Equipment Safety,” before extended discussion of the electromagnetic spectrum and light energy</li> <li>• New table to more easily show the difference between direct current and alternating current</li> <li>• New section on “What to Do in an Electrical Emergency” to bring more job relevancy to the content</li> <li>• Additional material on electrotherapy modalities, which may not be relevant to the nail learner</li> <li>• New activity “Gadget Inspection” for students to familiarize themselves with UL approval and device labeling</li> <li>• New activity “Hazard Sweep” for students to evaluate the electrical safety of their home or classroom</li> </ul>

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Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Career Planning	<p><b>Chapter 8—Career Planning</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain career planning.</li> <li>2. Review the state licensing examination process.</li> <li>3. Discover potential employers.</li> <li>4. Develop an effective resume.</li> <li>5. Prepare for a job interview in the beauty industry.</li> </ol>	<p><b>Chapter 20—Seeking Employment</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the process of passing your state licensing examination and securing the required credentials for nail technology.</li> <li>2. Network and prepare to find a position by using the inventory of personal characteristics and inventory of technical skills form.</li> <li>3. Describe the different types of salon business categories.</li> <li>4. Write a cover letter, develop a resume, and prepare an employment portfolio.</li> <li>5. Discuss how to explore the job market, research potential employers and the legal aspects of employment, and complete an employment application.</li> </ol>	<p>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></p> <ul style="list-style-type: none"> <li>• Organization laid out for better flow</li> <li>• New discussion on candidate information bulletins</li> <li>• Clearer organization for test day content from the morning of, to things to bring, to tips for during the test</li> <li>• Focus on multiple-choice testing to practice the typical licensure test format</li> <li>• True or false, matching, and essay questions discussions removed</li> <li>• Additional content on nail career opportunities in <i>Nail Technology</i> Chapter 1: History and Career Opportunities</li> <li>• “Employment Portfolio” content covered in <i>Standard Foundations</i> Chapter 2: Professional Image</li> <li>• New activity “Personal Test Scheduling” for students to schedule the details of their licensing exams</li> </ul>

Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Business	<p><b>Chapter 9—On the Job</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain what it’s like on the job.</li> <li>2. Describe the expectations of moving from school to work.</li> <li>3. Summarize employment options in the real world.</li> <li>4. Practice money management.</li> <li>5. Master selling in the salon, spa, and barbershop.</li> <li>6. Use marketing to expand your client base.</li> </ol>	<p><b>Chapter 21—On the Job</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the qualities necessary to be successful in a service profession.</li> <li>2. Discuss the importance and meaning of a job description.</li> <li>3. Explain the most common ways that nail technicians are compensated. Manage a personal budget.</li> <li>4. Explain the principles of selling products and services in the salon.</li> <li>5. Discuss the importance of maintaining and growing your client base.</li> </ol>	<p><b>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></b></p> <ul style="list-style-type: none"> <li>• Some material reorganized for flow (for example, student loans appear later, under money management)</li> <li>• New material on employment classifications, including a table providing a summary of the differences between working as an employee, independent contractor, or booth renter</li> <li>• Ongoing emphasis on repayment of debts and reporting income</li> <li>• Continuing education is referenced in <i>Standard Foundations</i> Chapter 1: Life Skills</li> </ul>

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Topic Areas	1st Edition Chapter (FOUNDATIONS)	7th Edition Chapter (NAIL TECHNOLOGY)	Significant Changes
Selling Products and Services	<p><b>Chapter 10—The Beauty Business</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the beauty business.</li> <li>2. Outline the requirements of owning a business.</li> <li>3. Describe booth rental.</li> <li>4. Identify the elements of a successful salon, spa, or barbershop.</li> <li>5. List marketing strategies for building your business.</li> </ol>	<p><b>Chapter 22—The Salon Business</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Identify two options for going into business yourself.</li> <li>2. Describe the responsibilities of a booth renter.</li> <li>3. List the basic factors to be considered when opening a salon.</li> <li>4. Distinguish the types of salon ownership.</li> <li>5. Identify the information that should be included in a business plan.</li> <li>6. Discuss the importance of record keeping.</li> <li>7. List the elements of successful salon operations.</li> <li>8. Explain why selling services and products is a vital aspect of a salon's success.</li> </ol>	<p>Synopsis of significant changes between 1st Ed. <i>Foundations</i> &amp; 7th Ed. <i>Nail Technology</i></p> <ul style="list-style-type: none"> <li>• Booth rental appears later in the chapter in its own section, “Describe Booth Rental”</li> <li>• Business plans are discussed earlier</li> <li>• New subsection on brand identity</li> <li>• Added content on viral marketing and social media tips for the business owner</li> </ul>

## CHAPTERS LOCATED IN MILADY STANDARD NAIL TECHNOLOGY, 8th EDITION

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
History and Career Opportunities	<p><b>Chapter 1 – History and Career Opportunities</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why an understanding of the history of nail technology is important to future career success.</li> <li>2. Outline the key milestones of the history of nail technology in the twentieth century.</li> <li>3. Describe the advancements in nail technology in the twenty-first century.</li> <li>4. Compare the career opportunities available to licensed nail technicians.</li> </ol>	<p><b>Chapter 1 – History and Career Opportunities</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the origins of personal beautifications.</li> <li>2. Discuss advancements made in nail technology during the twentieth and early twenty-first centuries.</li> <li>3. List several career opportunities available to a licensed nail technician.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• The ancient historical cultural influences for nail technology have been moved to a two-page timeline spread and cultures such as ancient Babylonia and ancient Inca have been added</li> <li>• Historical content for the twentieth and twenty-first centuries was reduced, with a greater focus on the evolution on products and nail trends</li> <li>• Content on becoming an independent educator was added in the career opportunities section</li> </ul>

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Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Anatomy and Physiology	<p><b>Chapter 2—Anatomy and Physiology</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain how anatomy and physiology relate to nail technology.</li> <li>2. Describe the basic structure and function of a cell.</li> <li>3. Describe the four types of tissue in the human body.</li> <li>4. Define the functions of the body’s organs in the body systems.</li> <li>5. Identify the five functions of the skeletal system.</li> <li>6. Recognize the voluntary muscles involved in the nail service.</li> <li>7. Name the parts of the nervous system.</li> <li>8. Recognize how the circulatory system affects the skin of the hands and feet.</li> <li>9. Describe the primary functions of the lymphatic/immune system.</li> <li>10. Identify the glands that make up the endocrine system.</li> <li>11. Outline the organs in digestion.</li> <li>12. List the five organs that make up the excretory system.</li> <li>13. Describe what occurs during inhalation and exhalation.</li> <li>14. Define the integumentary system.</li> <li>15. Define the reproductive system.</li> </ol>	<p><b>Chapter 6—General Anatomy and Physiology</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Define and explain the importance of anatomy, physiology, and histology to the nail professional.</li> <li>2. Describe cells, cell structure, and cell reproduction.</li> <li>3. Define tissue and identify the types of tissues found in the body.</li> <li>4. Name the 11 main body systems and explain their basic functions.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• Updates to all graphics, images, tables and boxes supporting all types of learners</li> <li>• “How Is This Important?” boxes highlight why learning the intricacies of each body system is important to the nail technician as a service provider</li> <li>• Information on the mitochondria added in the 8th edition to fully cover the function of a cell</li> <li>• Updated Table 2–1 details the body systems, functions, and their functions</li> <li>• Organs of the digestive system have been added to give a fuller understanding of the system; the health of the digestive system affects skin and nail health</li> </ul>

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
<b>Skin Structure, Disorders, and Diseases</b>	<p><b>Chapter 3—Skin Structure, Disorders, and Diseases</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why knowledge of skin structure, disorders, and diseases is valuable for a nail technician.</li> <li>2. Label the main layers, sublayers, nerves, and glands of the skin.</li> <li>3. Describe the six primary functions of the skin.</li> <li>4. Outline the approaches to maintaining healthy skin.</li> <li>5. Describe how environmental and lifestyle factors can contribute to the aging of the skin.</li> <li>6. Identify the symptoms of the most common skin disorders and diseases.</li> <li>7. Describe how to prevent the most common skin-related problems in the salon.</li> </ol>	<p><b>Chapter 7—Skin Structure, Growth, and Nutrition</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the structure and composition of the skin.</li> <li>2. List the functions of the skin.</li> <li>3. Describe how to maintain skin health and why it is important.</li> <li>4. Describe the aging process and the factors that influence aging of the skin.</li> <li>5. Define important terms relating to skin disorders and list which skin disorders may be handled in the salon and which should be referred to a physician.</li> <li>6. Explain ways to prevent skin problems from occurring as a result of salon products of services.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• Overview of the skin, including the definition of dermatology, and an overview of a nail technician’s scope of practice has been moved to “Explain Why Knowledge of Skin Structure, Disorders, and Diseases Is Valuable for a Nail Technician” section</li> <li>• The anatomy of the epidermis is now covered from the top layer (stratum corneum), to the bottom layer (stratum germinativum)</li> <li>• Skin color content has moved to accompany the stratum germinativum, as this is the layer where the amount of melanin determines skin tone</li> <li>• Content on how skin is nourished now appears under “Glands of the Skin” section</li> <li>• Content and Table 3–1 of the Fitzpatrick scale has been added to the “Describe How Environmental and Lifestyle Factors Can Contribute to the Aging of the Skin” section</li> <li>• New Table 3–2: Primary Skin Lesions and Table 3–3: Secondary Skin Lesions organized the content and include images of each lesions, an illustrated graphic of each lesion, description of the lesion type, and examples</li> <li>• New Table 3–4 Types of Skin Cancer organizes and details the type of mole, gives a description of that mole, and includes an image for guidance</li> <li>• New section “Infectious Skin Disorders” added for quick student reference</li> <li>• Content from 7th edition section “Hypertrophies of the Skin” has been moved to other sections in the chapter</li> </ul>

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Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
<p><b>Nail Structure, Disorders, and Diseases</b></p>	<p><b>Chapter 4—Nail Structure, Disorders, and Diseases</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you should learn about nail structure, disorders, and diseases.</li> <li>2. Define the natural nail unit.</li> <li>3. Label the structure of the nail.</li> <li>4. Describe the factors that affect nail growth.</li> <li>5. Identify unhealthy conditions of the nail.</li> <li>6. Outline the scope of practice for your license related to nail structure, disorders, and diseases.</li> </ol>	<p><b>Chapter 8—Nail Structure and Growth</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the structure and composition of nails.</li> <li>2. Discuss how nails grow.</li> </ol> <p><b>Chapter 9—Nail Disorders and Diseases</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. List and describe the various disorders and irregularities of nails.</li> <li>2. Describe diseases of the nails that should not be treated in the salon.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• 7th edition Chapter 8: Nail Structure and Growth and Chapter 9: Nail Disorders and Diseases have been combined in the 8th edition to form one comprehensive chapter on nail health: Chapter 4: Nail Structure, Disorders, and Diseases</li> <li>• The Structure and Anatomy of the nail has been updated in the 8th edition to reflect the newest research from a 2019 study conducted by Doug Schoon; this new discovery redefines the cuticle and proximal nail fold (PNF) areas; Figure 4–1 details a new diagram and the study is referenced in the chapter</li> <li>• Recognizing unhealthy conditions of the nail while working in the nail technician’s scope of practice has been added this edition</li> <li>• New Table 4–1: Overview of Nail Disorders and Table 4–2: Overview of Nail Diseases have been added in the 8th edition to provide an organized review of the content and include images of each disorder/disease and a comprehensive description</li> <li>• New section “Outline the Scope of Practice for Your License in Relation to Nail Structure, Disorders, and Diseases” has been added to the 8th edition to prompt students to check with their local laws and boards to ensure they always act within scope</li> </ul>

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Nail Product Chemistry	<p>Chapter 5—Nail Product Chemistry</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you need to learn about nail product chemistry.</li> <li>2. Outline the difference in behavior among gases, vapors, and fumes.</li> <li>3. Describe the function of adhesion, adhesives, and primers in nail products.</li> <li>4. Define the chemistry behind the adhesion of nail enhancements.</li> <li>5. Compare nail coating products in terms of their chemical or physical reaction.</li> <li>6. Describe how to minimize exposure to harmful substances.</li> </ol>	<p>Chapter 11—Nail Product Chemistry Simplified</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Discuss the basic chemistry of nail salon products.</li> <li>2. Explain adhesion and how adhesives work.</li> <li>3. Identify the two main categories of nail coatings.</li> <li>4. Describe the basic chemistry of nail enhancements.</li> <li>5. Describe the overexposure principle and its application to nail care products.</li> </ol>	<p>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</p> <ul style="list-style-type: none"> <li>• Both editions cover essentially the same information</li> </ul>

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Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Manicuring	<p><b>Chapter 6—Manicuring</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you should learn about manicuring.</li> <li>2. List the services that are included in your state’s scope of practice for nail technicians.</li> <li>3. Describe the equipment needed to perform nail services.</li> <li>4. List the types of multiuse and single-use implements used during nail services.</li> <li>5. Describe the materials used during nail services.</li> <li>6. Explain the uses of professional nail products.</li> <li>7. Demonstrate the basic manicure technique.</li> <li>8. Outline the steps in the application of nail polish.</li> <li>9. Describe how to approach a man’s manicure service.</li> <li>10. Demonstrate the massage techniques for the nail professional.</li> <li>11. Compare the process of a spa manicure and a basic manicure.</li> <li>12. Identify the benefits and infection control practices for paraffin wax treatments.</li> <li>13. Describe approaches to personal manicures that are sensitive to clients with special health considerations.</li> </ol>	<p><b>Chapter 13—Manicuring</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Define scope of practice and describe the potential consequences if a nail technician works outside their scope of practice.</li> <li>2. Identify the four types of nail implements and/or tools required to perform a manicure.</li> <li>3. Explain the difference between reusable (multiuse) and disposable (single-use) implements.</li> <li>4. Name and describe the Three-Part Procedure used in the performance of the basic manicure.</li> <li>5. Explain why a consultation is important before a service in the salon.</li> <li>6. List and describe the five basic nail shapes for women.</li> <li>7. Describe the most popular nail shape for men.</li> <li>8. List the massage movements for a hand and arm massage.</li> <li>9. Explain the difference between a basic manicure and a spa manicure.</li> <li>10. Describe how aromatherapy is best used in manicuring services.</li> <li>11. Explain the benefits of paraffin wax in manicuring.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• Content on gloves and masks have been moved in the 8th edition to appear under “Explain the Materials Used During a Nail Service”</li> <li>• Content on hybrid gels and fast-dry topcoat has been added under “Explain the Uses of Professional Nail Products” section in the 8th edition</li> <li>• Procedure 6–1: Pre-Service Procedure and Procedure 6–2: Post-Service Procedure have been updated with new images and more clear steps</li> <li>• The Client Consultation form has been moved into this chapter for the 8th edition as Figure 6–22</li> <li>• In the 8th edition, Table 6–1 Basic Nail Shapes has been revised to include picture examples of each shape</li> <li>• Pre-Massage Considerations content has been added this edition to encourage a conversation with clients about special health considerations before including a massage</li> <li>• Based on reviewer feedback and potential client contraindications, aromatherapy content has been removed from the 8th edition</li> <li>• The 7th edition Procedure 13–6: Paraffin Wax Treatment has been removed in the 8th edition due to infection control concerns; content has been added to the 8th edition on five safe application techniques of paraffin</li> </ul>

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
		<ol style="list-style-type: none"> <li>12. Describe a proper setup for the manicuring table.</li> <li>13. List the steps in the basic manicure.</li> <li>14. Describe the proper technique for the application of nail polish.</li> <li>15. Describe the procedure for a paraffin wax hand treatment before a manicure.</li> </ol>	<ul style="list-style-type: none"> <li>• Serving clients with special health considerations is a large focus of the 8th edition and a new section has been added in the chapter; this new section covers clients with limited mobility, clients who experience involuntary movement, clients with altered vision, painful joints, clients with caregivers, and clients with lowered immunity</li> </ul>
Pedicuring	<p><b>Chapter 7—Pedicuring</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you should learn about pedicuring services.</li> <li>2. Describe the equipment needed to perform pedicuring services.</li> <li>3. List the types of multiuse and single-use implements and materials used for pedicuring services.</li> <li>4. Explain the uses of professional pedicure products.</li> <li>5. Outline the steps needed to establish a pedicure business.</li> <li>6. Identify the benefits of a pedicure massage.</li> <li>7. Describe approaches to personal pedicures that are sensitive to clients with special health considerations.</li> <li>8. Discuss the importance of following disinfection practices after each pedicure service.</li> </ol>	<p><b>Chapter 14—Pedicuring</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the equipment used when performing pedicures.</li> <li>2. Describe the proper tool to use to reduce the potential for developing an ingrown toenail.</li> <li>3. Discuss the three materials used when performing pedicures.</li> <li>4. Identify the function of a callus softener during a pedicure procedure.</li> <li>5. Explain the differences between a basic pedicure and a spa pedicure.</li> <li>6. Define reflexology and its use during a pedicure.</li> <li>7. Summarize the importance of cleaning and disinfecting a pedicure bath.</li> <li>8. Demonstrate the proper procedures for a basic pedicure.</li> <li>9. List the techniques and benefits of a foot and leg massage.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• Procedures 7–3: Cleaning and Disinfecting Whirlpool, Air-Jet, and Pipeless Foot Spas and 7-4: Cleaning and Disinfecting Basic Foot Basins or Tubs have been added to the pedicuring chapter in the 8th edition</li> <li>• Serving clients with special health considerations is a large focus of the 8th edition and a new section has been added in the chapter; this new section covers clients with limited mobility, clients who experience involuntary movement, clients with altered vision, painful joints, clients with caregivers, and clients with lowered immunity</li> </ul>

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Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Electric Filing	<p><b>Chapter 8—Electric Filing</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain the importance of electric filing for the nail technician.</li> <li>2. Describe electric files.</li> <li>3. Compare machine features when choosing an electric file.</li> <li>4. Choose the proper bit for each service.</li> <li>5. Demonstrate electric filing techniques.</li> <li>6. Discuss electric filing for pedicures.</li> <li>7. Recognize how to troubleshoot electric filing problems.</li> <li>8. List safety tips for electric filing.</li> </ol>	<p><b>Chapter 15—Electric Filing</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Discuss the different types of electric files that are used most often by nail professionals.</li> <li>2. Define RPM.</li> <li>3. Define torque.</li> <li>4. Define tolerance.</li> <li>5. Define variable speed.</li> <li>6. Discuss why bits should be concentric or safe use.</li> <li>7. Determine industry standard shanks.</li> <li>8. Identify types of bits that have grits.</li> <li>9. Explain how carbide bits differ from bits with grits.</li> <li>10. List the names and uses of one-use-only bits.</li> <li>11. Perform the practice technique for the cuticle area.</li> <li>12. Identify the causes of excessive heat when nails are being filed.</li> <li>13. Describe the procedure for cleaning and disinfecting metal file bits.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• In the 8th edition, content on purchasing an electric file has been removed and a focus on what makes a good electric file has been updated</li> <li>• The “Types of Bits” section has been updated in the 8th edition to focus on bits needed for a student’s entry to electric filing education; keeping this in mind, some bit types have been removed</li> <li>• Mini-Procedures have been added on how to use electric filing for Natural Nails, Hard Gel Removal, Removing Gel Polish from Hard Gel or Acrylic Product, and Electric Filing for Pedicures</li> </ul>

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Nail Tips and Forms	<p><b>Chapter 9—Nail Tips and Forms</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why a nail technician should learn about nail tips and forms.</li> <li>2. Identify the difference between a nail enhancement and a nail extension.</li> <li>3. Explain how to prepare the nail for nail extensions.</li> <li>4. Describe five different types of nail tips.</li> <li>5. List the advantages of using nail forms.</li> <li>6. Name the seven most common nail shapes requested with nail tips.</li> <li>7. Identify the qualities of a properly structured nail enhancement.</li> </ol>	<p><b>Chapter 16—Nail Tips and Wraps</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Identify the supplies needed for a nail top application and explain why they are needed.</li> <li>2. Name and describe the three types of nail tips available and describe the importance of correctly fitting nail tips.</li> <li>3. List the types of fabrics used in nail wraps and how they are used.</li> <li>4. Explain the benefits of using each type of fabric nail wrap.</li> <li>5. Demonstrate the stop, rock, and hold method of applying nail tips.</li> <li>6. Demonstrate the proper procedure and precautions to use in applying nail tips.</li> <li>7. Demonstrate the proper removal of tips.</li> <li>8. Demonstrate the proper procedures and precautions used in a fabric wrap application.</li> <li>9. Describe the 2-week and 4-week fabric wrap maintenance procedures.</li> <li>10. Demonstrate the proper procedure and precautions for fabric wrap removal.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• Preparing a nail for a nail extension has been added to this chapter in this edition. We have also added Procedure 9–1: Dry Manicure or Nail Preparation for Enhancements as a step-by-step nail preparation guide</li> <li>• Nail tip content has been added to detail the five most common types of nail tips available: full-well, partial-well, well-less, full coverage, and French tips</li> <li>• Theory content and Procedure 9–5: Disposable Nail Form Application has been added to this chapter for the 8th edition</li> <li>• “Identify the Qualities of a Properly Structured Nail Enhancement” has been moved to this chapter for the 8th edition (In the 7th edition it appeared in Chapter 17)</li> <li>• Nail wrap content has been moved to Chapter 10: Nail Resin Systems</li> <li>• All new Nail Tips Procedures have been added to this chapter, including Procedure 9–2: Full- or Partial-Well Nail Tip Application, Procedure 9–3: French Nail Tip Application, and Procedure 9–4: Nail Tip Removal</li> </ul>

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Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Nail Resins	<p><b>Chapter 10—Nail Resin Systems</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you should learn about nail resin systems.</li> <li>2. Define nail resin and nail resin systems.</li> <li>3. Describe how the use of nail wraps can strengthen the nail.</li> <li>4. Outline the advantages of applying a dip system.</li> </ol>	NEW TO THIS EDITION	<p>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</p> <ul style="list-style-type: none"> <li>• Nail Wrap content was moved from the 7th edition Chapter 16 to the new Chapter 10 in the 8th edition; based on reviewer feedback, the Procedures on Nail Wrap application have been removed, except for Procedure 10–2: Fabric Wrap Maintenance; we have added information on repairing a crack in the natural nail with a fabric wrap and have a new procedure 10–1: Nail Repair Using a Fabric Wrap Application</li> <li>• New content on Nail Resin and Nail Resin Systems includes all new procedures: Procedure 10–3: Dip System One-Color Application, Procedure 10–4: French (Pink and White) Dip Application, Procedure 10–5: Dip System Clear Extension Application, Procedure 10–6: Dip Maintenance, and Procedure 10–7: Nail Resin System Removal</li> </ul>

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
<b>Monomer Liquid and Polymer Powder</b>	<p><b>Chapter 11 – Monomer Liquid and Polymer Powder Nail Enhancements</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you should learn about liquid and powder nail enhancements.</li> <li>2. Describe the chemistry of liquid and powder nail enhancements.</li> <li>3. Identify the supplies for liquid and powder nail enhancement services.</li> <li>4. Outline the processes of maintenance, repair, and removal of liquid and powder nail enhancements.</li> </ol>	<p><b>Chapter 17 – Monomer Liquid and Polymer Powder Nail Enhancements</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain monomer liquid and polymer powder nail enhancement chemistry and how it works.</li> <li>2. Describe the apex, stress area, and sidewall and where they are located on the nail enhancement.</li> <li>3. Demonstrate the proper procedures for applying one-color monomer liquid and polymer powder nail enhancements over tips and on natural nails.</li> <li>4. Demonstrate the proper procedures for applying two-color monomer liquid and polymer powder nail enhancements using forms over nail tips and on natural nails.</li> <li>5. Describe how to perform a one-color maintenance service on nail enhancements using monomer liquid and polymer powder.</li> <li>6. Demonstrate how to perform crack repair procedures.</li> <li>7. Implement the proper procedure for removing monomer liquid and polymer powder nail enhancements.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• New content has been added on odorless monomer liquid and polymer products and their chemistry</li> <li>• Content on the properly structure nail enhancement has been moved to appear in Chapter 9: Nail Tips and Forms</li> </ul>

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Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Gel Nails	<p><b>Chapter 12—Gel Nail Enhancements</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain why you should learn about light-cured gels.</li> <li>2. Describe the chemistry of gels.</li> <li>3. Discover the difference between LED and UV light used to cure gels.</li> <li>4. Classify the types of gels used in current systems.</li> <li>5. Identify the supplies needed for gel application.</li> <li>6. Explain how to store, use, and remove gels in the salon.</li> <li>7. Understand when to perform gel services.</li> </ol>	<p><b>Chapter 18—UV and LED Gels</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the chemistry and main Ingredients of UV gels.</li> <li>2. Describe when to use the one-color and two-color methods for applying UV gels.</li> <li>3. Name and describe the types of UV gels used in current systems.</li> <li>4. Identify the supplies needed for UV gel application.</li> <li>5. Discuss when to use UV gels.</li> <li>6. Identify which type of UV gel is best suited for a service.</li> <li>7. Discuss the differences between UV lamps and UV bulbs.</li> <li>8. Describe how to apply one-color UV gel on tips and natural nails.</li> <li>9. Describe how to apply UV gels over forms.</li> <li>10. Describe how to maintain UV gel nail enhancements.</li> <li>11. Explain how to correctly remove hard UV gels.</li> <li>12. Explain how to correctly remove soft UV gels.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• In the 8th edition, Procedure 12–2: Two-Color Hard-Gel Overlay has been edited to show the application of the pink and then the white hard gel; this change was made to make it easier to achieve a smile line</li> <li>• New content on Polymer Gel application and a new Procedure 12–4: One-Color Polymer Gel Overlay has been added to the 8th edition</li> <li>• New Procedure 12–7: Soak-Off Gel Polish on Natural Nails has been added to the 8th edition</li> <li>• New Procedure 12–9: Removal of Soak-Off Gel or Gel Polishes has been added to this edition; this procedure demonstrates removal using the foil wrap method, which can be used to remove other products as well</li> </ul>

Topic Areas	8th Edition Chapter (NAIL TECHNOLOGY-NEW)	7th Edition Chapter (NAIL TECHNOLOGY-OLD)	Significant Changes
Nail Art	<p><b>Chapter 13—Nail Art</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Explain how nail art impacts the nail technology industry.</li> <li>2. Introduce clients to nail art.</li> <li>3. Identify the use of color theory in nail art.</li> <li>4. Explain how nail polish can be used to create nail art.</li> <li>5. Demonstrate the basic techniques used in hand-painted nail art.</li> <li>6. Describe how to use monomer liquid and polymer powder to create 3-D nail art.</li> <li>7. Use UV and LED gel to create an inlaid nail art design.</li> <li>8. Choose when to use an embellishment in a nail art service.</li> <li>9. Describe how an airbrush machine is used to create nail art.</li> <li>10. Explain the advantages of using stencils and stamping.</li> <li>11. Describe an art technique that can be created with a dip system.</li> <li>12. Explain the benefits of participating in nail art competitions.</li> </ol>	<p><b>Chapter 19—The Creative Touch</b></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> <li>1. Describe the most effective ways to introduce clients to nail art.</li> <li>2. List and describe the way color is classified on the color wheel.</li> <li>3. Explain how nail polish can be used in the creation of nail art.</li> <li>4. Describe nail art brushes and their uses.</li> <li>5. Discuss the basic techniques used in hand-painted nail art.</li> <li>6. Describe how to use monomer liquid and polymer powder to create 3-D nail art.</li> <li>7. Describe the use of UV gel in the creation of an inlaid nail art design.</li> <li>8. Explain what an embellishment is and when to use one.</li> <li>9. Describe how an airbrush machine is used to create nail art.</li> <li>10. Explain the benefits of nail art competition.</li> </ol>	<p><b>Synopsis of significant changes between 8th Ed. &amp; 7th Ed.</b></p> <ul style="list-style-type: none"> <li>• Chapter title updated to Nail Art in the 8th edition to give a more clear understanding of the chapter content</li> <li>• Content on using stencils and stamps in nail art has been added to the 8th edition</li> <li>• Content has been added on using a dip system to create nail art, like the ombre look, including new Procedure 13–6: Ombre or Color Graduation with Dip System</li> <li>• Information on nail art competitions has been revised to include more valuable student information</li> <li>• Based on reviewer feedback, Procedure 19–6: Two-Color Fade of Color Graduation Using an Airbrush from the 7th edition was not included in the 8th edition</li> </ul>