



## Course Module

### Basic Principles in Cosmetic Technology

Units	Syllabus	Hours
<b>1</b>	<ul style="list-style-type: none"> <li>• <b>Introduction to Cosmetic Technology</b></li> </ul> Definition and scope of cosmetic technology Historical overview of cosmetics Role of cosmetic technologists Introduction to cosmetic regulations and standards	5 Hours
<b>2</b>	<ul style="list-style-type: none"> <li>• <b>Cosmetic Ingredients</b></li> </ul> Classification of cosmetic ingredients (active vs. inactive) Commonly used ingredients: emollients, humectants, preservatives, colorants, fragrances, etc. Functions and properties of cosmetic ingredients Safety considerations and regulations for cosmetic ingredients	05 Hours
<b>3</b>	<ul style="list-style-type: none"> <li>• <b>Cosmetic Formulations</b></li> </ul> Introduction to cosmetic formulation principles Formulation types: creams, lotions, gels, powders, etc. Formulation ingredients and their interactions Formulation techniques and procedures Packaging considerations for cosmetic formulations	05 Hours

4	<ul style="list-style-type: none"> <li>• <b>Manufacturing Processes in Cosmetics</b></li> </ul> <p>Overview of cosmetic manufacturing processes  Mixing and blending techniques  Emulsification methods  Heating and cooling processes  Filling, packaging, and labelling of cosmetic products</p>	5hours
5	<ul style="list-style-type: none"> <li>• <b>Quality Control in Cosmetics</b></li> </ul> <p>Importance of quality control in cosmetic production  Quality control tests: physical, chemical, and microbiological  Good Manufacturing Practices (GMP) for cosmetics  Stability testing and shelf-life determination  Documentation and record-keeping in quality control</p>	05 hours
6	<ul style="list-style-type: none"> <li>• <b>Stability and Shelf-Life of Cosmetics</b></li> </ul> <p>Factors affecting cosmetic product stability  Formulation considerations for stability  Packaging and storage conditions for maintaining product integrity  Testing methods for assessing product stability  Determining the shelf-life of cosmetic products  Regulatory authorities and guidelines for cosmetics</p>	05 hours

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