Outline for Presentation of Program ANC 101c
Architectural Acoustics & Noise Control

1. **Fundamentals of Acoustics**
   - Decibels
   - Sound Pressure Level
   - Octave Bands
   - Decibel Addition

2. **Effects of Noise**
   - Hearing Loss
   - Increased Blood Pressure
   - Increased Pulse

3. **Types of Acoustical Issues**
   - Sound Absorption
   - Sound Transmission

4. **Sound Transmission Materials**
   - Transmission Loss of Walls, Doors and Windows

5. **Control of Mechanical Equipment**
   - Vibration Isolation
   - Location of Mechanical Equipment

6. **Classroom Acoustics**

7. **Room Acoustics**
   - Reverberation Time
   - Sound Absorption Coefficients
   - Noise Reduction Coefficient (NRC)
   - Indoor Noise Criteria

8. **Sound Absorption Materials**
   - Acoustical Tiles
   - Fabric Wrapped Panels
   - Perforated Metal Panels
   - Spray Applied Absorptive Coatings

9. **Sustainable Design**
   - Post Industrial Component
   - Post Consumer Component

*** This program qualifies for 1.5 continuing education units for Health Safety & Welfare(HSW) and Sustainable Design (SD).**

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