

- Modern Day Visual Effects Compositing
  - CGI Compositing
  - Set Extension
  - Match Move
  - Chroma Compositing
  - Motion Tracking
  - Warping and Morphing
  - Bullet Time Shots
  - Crowd Duplication
  - Atmospherics
  - Rotoscoping
  - Wire Removal
  - Scene Salvage
- CGI Compositing
  - Premultiply
  - Scaling the Background
  - Semi-Transparent Pixels
  - Summing the Layers
  - Multipass Compositing
  - Depth Compositing
  - Multiplane Compositing
  - Dynamics and Simulations
  - Particle Effects
- Key, Matte, Alpha, and Mask
- Chroma Compositing
  - Keyers
    - i. Luma-Key
    - ii. Chroma-key
    - iii. Difference-Key
  - How Keyers Work
  - Pulling the Matte
  - Despill
  - Color Correction
  - Scene Adjustment (scaling foreground or background)
  - Making The Composite
  - Before the keyer processes
    - i. Garbage Mattes
    - ii. Denoise
    - iii. Grain Extraction
- Rotoscoping
  - Splines
  - Motion Blur
  - On 2's

- Image Blending
  - Merge
    - i. Screen
    - ii. Over
    - iii. Soft light
    - iv. Color Dodge
    - v. Difference
    - vi. Plus
  - Mix
  - Add
  - Subtract
  - Multiply
- Transforms
  - Transform
  - Pivot Points
  - Corner Pin
  - Animation
    - i. Key Frame
    - ii. Procedural
    - iii. Expression
  - Directional Blur
  - Motion Blur
  - Tracking
    - i. Linear Track
    - ii. Planar Track
    - iii. Motion Tracking
  - Stabilizing
  - Matchmove
  - Warp
    - i. Mesh Warp
    - ii. Spline Warp
- Compositing Color
  - Color Space
  - Black and White Points
  - Color Adjustments
  - Gamma Slamming
  - Pre-Balancing Color Channels
- Scene Salvage
  - Dust Busting
  - Wire Removal
  - Rig Removal
  - Hair Removal
  - Scratch Removal
  - Light Leaks

- Deflicker
- Footage Processing
  - i. Interlaced Videos
  - ii. Non-Square Pixels
  - iii. Frame Rate
  - iv. Coping with Time Code
  - v. Compression Artifacts
  - vi. 3:2 Pull-Down
  - vii. 3:2 Pull-Up
- Structure of Digital Images
  - The Pixel
  - Color Images
  - Image Channels
  - Dots Per Inch (DPI)
- Digital Image Metadata
  - Digitizing Images
  - Image Resolution
  - Image Aspect Ratio
  - Pixel Aspect Ratio
  - Display Aspect Ratio
  - Bit Depth
  - Floating-Point
  - Multiplying Images
  - Image File Formats
  - Photographic Images vs. Graphics
  - Indexed Color Images (CLUT)
  - Compression
  - EXR
  - File Formats