

SYLLABUS

SEMESTER- 7

Cinematography

SP.PAPER-7

Motion Picture Post Production

Credits-3

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3	0	10

1. Data Management and Comprssion

- 1.1 WorkfLow, Data, and Color Management
- 1.2 Look Management
- 1.3 Color Correction, LUT
- 1.4 Data Management

2. File Formats, Log Encoding, Data, and Compression

- 2.1 Motion Picture Image File Types
- 2.2 Codecs , Containers, and Wrappers
- 2.3 Image Compression
- 2.4 Academy ASC Common File Format for Look-Up Tables
- 2.5 Color Correction and Look Modifcation Tools: Black magic Resolve, Assimilate
- 2.6 Scratch, FilmlightBaselight
- 2.7 Post Production File Types
- 2.8 Cloud-Enabled Workfows

3. Digital Image Recorders, Display

- 3.1 Displays: A Brief History of Display Technologies
- 3.2 Broadcast Monitor, Monitor Calibration
- 3.3 Waveform Monitors and Vector scopes
- 3.4 Monitors for DI Suite/Mastering
- 3.5 Recorders

4. Post Production and Digital Intermediate

- 4.1 Handling of Original Media
- 4.2 Editing, Visual Effects and Computer Generated Images
- 4.3 Digital Intermediate: Color Correction
- 4.4 The Principal Tools of Color Correction
- 4.5 Primary Color Corrections
- 4.6 Lift, Gamma, Gain/Slope, Offset, Power/Hue/Saturation
- 4.7 Secondary Color Correction
- 4.8 Power Windows and Shapes
- 4.9 Noise Reduction, Sharpening
- 4.10 Color Correction Systems: Black magic Resolve, Assimilate Scratch, Film light Base light

5. Delivering and Archiving Digital Movies

- 5.1 Digital Cinema Initiatives, LLC (DCI): Architect of Digital Cinema
- 5.2 The Digital Dilemma
- 5.3 The Digital Cinema Package or DCP, DCP Delivery to Theatres
- 5.4 The Migration from Film to Digital
- 5.5 A Simplified Motion Picture Studio Deliverables List for Film Projects

6. Making of DCP and Distribution

- 6.1 Basic ideas of compression and the need for the same.
- 6.2 The distribution strategy, how does compression help in distribution
- 6.3 The digital distribution systems and its disadvantages over the legacy formats
- 6.4 The birth of digital distribution
- 6.5 The early DCPs
- 6.6 The standardised DCP
- 6.7 What's inside the package
- 6.8 The future of DCP

Practical:

- 1. Intro to DI : Resolve
- 2. Import : Video, Audio
- 3. Project Setting
- 4. Conforming
- 5. Primary Color Correction (Lift, Gamma, Gain)
- 6. Basic Secondary Correction (Window, Qualifier, Key frame, Tracking, Noise Correction)
- 7. Delivery : MOV, DCP

Reference books :

- 1. Digital Cinematography – David Stump
- 2. Digital Imaging – Blain Brown