

Morning Session Day 1

Session Start

- ☐ Introductions
 - Instructor intro
 - Attendee introductions
 - Why are you here?
 - What do you hope to learn?
 - Do you have any special needs?
- ☐ Housekeeping
 - Using the syllabus as a guide
 - Rules for interruptions (cell phones verboten)
 - How to use the handouts and presentation materials
 - Note taking - - there will be a test at the day's conclusion
- ☐ Review course objectives
 - Course goals
 - Overview of the day

Color Identification

- ☐ What color is this? (*Hands-on #1*)
 - Write color description and pass forward
 - Shuffle descriptions and pass out
 - Use description to identify color
- ☐ How do people try to correct color in the real world
 - Roundtable slides
 - At the paint store
 - In the press room
- ☐ Why do I respond to color the way I do?
 - Inherited, learned, geographical factors, etc.
- ☐ Does my eye have limitations?
 - Retinal fatigue
 - Color memory
 - Background effects

Color Theory Workshop

- ☐ One artists solution – Munsell
 - Munsell’s color description (words)
 - Let’s play Munsell (*Hands-on #2*)

Morning Break

Color Definition – What is Color?

- ☐ Light
 - Spectrum & speed
 - Different lights = different energy
 - Illuminants
- ☐ Object
 - Why is red, red?
 - Objects are reflectors
- ☐ What is metamerism (*Hands-on #3*)
- ☐ Observer
 - How does the eye work
 - Rods & cones
 - How about an instrument?
- ☐ Color models
 - Additive -demonstrate with lights (*Hands-on #4*)
 - Subtractive -demonstrate with finger paint

Lunch on your own

Class Reconvenes In One Hour!

Afternoon Session Day 1

Color Control

☐ Density

- What is it?
- How do I use it?

☐ L*a*b*

- What is it?
- How do I use it?

☐ L*C*h°

- What is it?
- How do I use it?

☐ Instrumental measurement (*Hands-on #5*)

- Measure density (no difference)
- Visual assessment (big difference)
- Measure color L*a*b* (big difference)

☐ Which method is best?

- MacAdam's ellipsoids
- Introduce CMC
- Introduce CIE94
- The eye vs. L*a*b*, L*C*h°, CMC, CIE94
- Screen grab of each tolerance

Afternoon Break

Color Theory Workshop

Color Management

- ☐ The artists creation
 - Follow the color from creation to completion ...
- ☐ Ends in production
 - Vehicle paint
 - Interior plastic
 - Interior fabric/leather
 - Printed displays
 - Printed advertisement
- ☐ Measured how?
 - Different instruments, different answers (*Hands-on #6*)
 - Compare readings from hands-on #5
 - Different instruments, different ill/obs, different results
- ☐ Measure vs. the eye
 - Limitations of the eye

Color Manufacturing

- ☐ Why doesn't it match?
 - Process variation
 - Raw materials
- ☐ Application methods
 - Real world situations
- ☐ Customers issues
- ☐ Wrap up and test/review