

COMM 250 - EXAM QUESTIONS - CHAPTER 4
Revised: 9/23/05

1. What is COLOR?
2. What is WHITE LIGHT?
3. What are SPECTRAL COLORS?
4. What are the ATTRIBUTES of color?
5. Define/explain: HUE; SATURATION; CHROMA; ACHROMATIC; SATURATION; DESATURATION; BRIGHTNESS; VALUE BRIGHTNESS RANGE.
6. What is a COLOR MODEL? Why are they important in film and television?
7. What is COMPATIBLE COLOR?
8. What is ADDITIVE MIXING (or ADDITIVE COLOR)? What are the PRIMARY COLORS of an additive system? What happens when you mix equal amounts of the primary colors?
9. What is SUBTRACTIVE MIXING (or SUBTRACTIVE COLOR)? What are the PRIMARY COLORS of a subtractive system? What happens when you mix equal amounts of the primary colors?
10. Explain MIXED MIXING of colors (that is, the mixing of both additive and subtractive colors) and the potential problems that might result.
11. How is COLOR RELATIVE?
12. Explain UNDEREXPOSURE; OVEREXPOSURE; HOT SPOTS; OVERSATURATION.
13. What is SURROUNDING LIGHT?
14. What is SURFACE REFLECTANCE?
15. What is COLOR TEMPERATURE?
16. Explain WHITE BALANCING. How is white balance achieved in film? How is it achieved in video/television? Why is white balance important in film and video/television?
17. Explain the concept of SURROUNDING COLOR, including similar colors and contrasting colors.
18. What is COLOR VIBRATION? What is the MOIRE EFFECT?
19. Explain COLOR CONSTANCY.
20. What do we mean by the terms "WARM COLOR" and "COLD COLOR?"
21. What is COLOR ENERGY? What THREE FACTORS affect color energy?