

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

 X Transfer course X A.A. degree applicable course

COURSE NUMBER AND TITLE: Art 200 - Color/Light and Theory

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 96

BASIC SKILLS REQUIREMENTS:

Appropriate language skills.

ENTRANCE REQUIREMENTS:

PREREQUISITE: Art 102 and Art 104

COREQUISITE: None

RECOMMENDED PREPARATION: none

SCOPE OF COURSE:

Investigations into the phenomenon of color and its use in art. Problems involving color and design in various media, including acrylics and collage. Exploration of the role of color in Western art from late 19th Century to the present.

SPECIFIC COURSE OBJECTIVES:

The student will -

1. Analyze light, pigment and visual color mixing.
2. Identify the three variable qualities of color: hue, value and saturation, and how they interact.
3. Analyze various historical color models and systems, western and non-western.
4. Construct the additive and subtractive color systems and explain how they function.
5. Deduce valid conclusions from physical, physiological and psychological nature of color deception, illusion.

6. Develop the ability to hypothesize color mixing results in light and pigment mixtures.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Perception: an introduction.
- II. Color terminology.
 - A. The three variables of color.
 - B. Color naming: cultural, historical, commercial.
- III. Color perception
 - A. Structure of eye, brain, vision; its limits.
 - B. Dual light sensitive systems within eye; scotopic, photopic.
 - C. Perceptual mechanisms; adaption, persistence of vision, irradiation, figure/ground, afterimage, Itten's seven contrasts.
 - D. Color theories: tri-stimulus, opponent, light averaging (retinex).
- IV. The electromagnetic spectrum
 - A. The visible spectrum, additive mixture of light, refraction, dispersion, & scattering.
 - B. Selective absorption, filters, reflection, interference.
 - C. Light sources
 - D. Methods by which light can be evaluated.
- V. Color in surfaces
 - A. Subtractive mixture
 - B. Pigments, dyes
 - C. Natural and man-made colors
 - D. Volume color
- VI. Color models I
 - A. Two and three dimensional models
 - B. Historical contributions to color theory: Newton, Goethe, Chevreul, Ostwald, Hering, Munsell, Albers, Itten, Land.
- VII. Color models II
 - A. Two dimensional models to be constructed by the student.
 - 1. natural order of hues: the color wheel
 - 2. value scale
 - 3. natural value position of hues at their maximum saturation
 - 4. saturation scale, monochromatic
 - 5. tint, shade, tone scales
- VIII. Color interaction: The psychology of color illusions studied through a series of problems based upon the work and writings of Josef Albers, Johannes Itten and others.
- IX. Color in art; application to artists' works; historical, contemporary.

REQUIRED READING:

Albers, Josef. Interaction of Color. New Haven: Yale University, 1971.
Zelanski, Paul, and Mary Pat Fisher. Color. New York: Prentice-Hall, 1989.

SUGGESTED READING:

Hope, Augustine, and Margaret Walch. The Color Compendium. New York: Van Nostrand Reinhold, 1990.
Brusatin, Manlio, translated by Robert H. Hopcke and Paul Schwartz. A History of Colors. Boston: Shambala Publications, 1991.

REQUIRED WRITING:

None

OUTSIDE ASSIGNMENTS:

A minimum of three hours per week of outside work on projects and text reference notes will be required.

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short term classes.

INSTRUCTIONAL METHODOLOGY:

At a minimum, specify lecture, laboratory, lecture-laboratory combination, or directed study. You may add a statement.

Check all that apply:

lecture
 laboratory
 lecture-laboratory combination
 directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply.

telecourse
 mediated instruction
 computer assisted instruction

GRADING POLICY AND STANDARDS (include methods for determining whether the stated objectives have been met by students):

Each instructor evaluates on the basis of individual projects, a

portfolio of selected works from the semester, or a final project, for grading and evaluation. Participation and personal growth are also factors. Portfolio of completed assignments and class notes - 75%, essay examination - 10%, participation - 15%.

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

YES X NO ___ Number of times course may be taken for credit 2.

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable.

58161, (C), (2), (A)

CONTACT PERSON: Frank Jones, extension 2315

SIGNATURES:

SIGNATURES ON FILE
