

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

  X   Transfer Course     XX  A.A. Degree applicable course  
(check all that apply)

**COURSE NUMBER AND TITLE:** GC 213      Motion Graphics Production and Compositing

**UNIT VALUE:** 3

**MINIMUM NUMBER OF SEMESTER HOURS:** 96 hours lecture/lab

**BASIC SKILLS REQUIREMENTS:** Appropriate language and computational skills

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** GC 204 or GC 207

**COREQUISITE:** None

**RECOMMENDED PREPARATION:** GC 140 or GC 165

**SCOPE OF COURSE:** This course will be a “cap course” in which the student combines skills learned in multiple disciplines. For example the student will combine video skills learned in Graphic Communications and RTV with skills learned in ART or CAD by compositing a video that incorporates 3D rendered characters with live video footage. The student will complete the work by preparing it for publication using VHS, DVD, and on-line Streaming technologies. *May be taken four times.*

**SPECIFIC COURSE OBJECTIVES:**

1. The student will demonstrate the ability to perform:
  - Video post-production, compositing, and special effects production.
  - Multi-track digital video/audio editing. (Scoring audio to video.)
  
2. The successful student will create scene composites using:
  - Video
  - Green Screen
  - 3D (Alpha channel)
  - Stills (2D)
  - Rotoscoping
  
- 3 The student will demonstrate the ability to incorporate editing from other video programs.
  
- 4 The successful student will demonstrate the ability to perform DVD/Video production.

## **CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

1. Linear digital video compositing. [Video post-production, compositing, and special effects.]
2. Multi-track digital video/audio editing. [Scoring audio to video.]
3. Scene composites using
4. Video
5. Green Screen
6. 3D (Alpha channel) sequences
7. Stills (2D)
8. Editing from other video programs (Final Cut, After Effects, Premiere)
9. Rotoscoping
10. DVD authoring and production
11. Video production

Utilizing the following software:

1. Video Compositing – Apple Shake, Discreet Combustion, and/or Pinnacle Commotion [Commotion is great for paint, rotoscope, and motion tracking.]
2. Sound – BIAS Peak & Deck, TC|Works Spark, Digidesign Pro Tools, MOTU Digital Performer, and/or Steinberg Cubase VST/32 and Nuendo [Deck, Pro Tools, Digital Performer, Cubase and Nuendo are multi-track editors. Digital Performer also handles Midi quite well. Nuendo does 5.1 surround sound as well.]
3. DVD production – Apple DVD Studio Pro
4. Streaming Video – Apple QuickTime Pro, Discreet Cleaner

On the following hardware:

1. Dual Processor G4's
2. 80G HD
3. DVD Superdrives
4. GlobalStreams Chroma Key Technology Lens rings and material for green screen work
5. DV Cameras [Higher quality cameras are a must if clean green/blue screen work is to be performed.]

## **REQUIRED READING:**

Chapman, Nigel, & Chapman, Jenny. (2002). Digital Media Tools. New York, John Wiley and Sons, Ltd.

**SUGGESTED READING:** current articles

**REQUIRED WRITING:** Students will demonstrate problem solving skills by use of short essays and written reports and multi-choice testing.

**OUTSIDE ASSIGNMENTS:** External research at library or on line for assignments.

**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:**

**Check all that apply:**

- lecture  
 laboratory  
 lecture-laboratory combination  
 directed study

**DISTANCE LEARNING:**

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

Yes xx No \_\_\_\_\_

**If yes, check all that apply:**

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

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

- 50% Final Presentation
- 20% Written Assignments
- 20% Assignments
- 10% Exams

<u>GRADING SCALE</u>	
1000-900	A
899-800	B
799-700	C
699-600	D
599-below	F

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

Yes XX No \_\_\_\_\_ Number of times course may be taken for credit: 4

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

**CONTACT PERSON:** Lillian Payn

**SIGNATURES ON FILE**