

ARTC 1325 – Introduction to Computer Graphics (3: 2-2)

Informal Description: This course introduces students to the basics of computer graphics and basic digital imaging tools

Textbooks/Reference/Materials

- Access to <http://gimp-savvy.com/BOOK/index.html>
- Access to <http://www.templejc.edu/dept/cis/CCollins/Collins.htm>
- Floppy disks or other file storage (home computer, removable USB drive, etc.)

Please refer to the class website for details on when topics are covered and due dates
Please refer to the syllabus appendix for details on class policies

Administrivia: Information required by the Campus, but not necessarily by students

Course Competencies

CIP Code: 50.0409 (Graphic Design)

Course Title: Introduction to Computer Graphics

Course Level: Introductory

Course Description: A survey of computer design concepts, terminology, processes, and procedures. Topics include computer graphics hardware, electronic images, electronic publishing, vector-based graphics, and interactive multimedia.

End of Course Outcomes: Define computer terminology; identify peripherals; and demonstrate page layout, multimedia, and peripherals software use.

Suggested Prerequisite: none

Year: 2007

COURSE CALENDAR (See course web site for up to date calendar, topics, and activities)

6 Week Semester	16 Week Semester	Notes	Lecture Topics	Labs
Week 1	Week 1		Syllabus/Orientation	
	Week 2		Representing Digital Images, Hardware, Cameras	
	Week 3		Bitmaps, TIFF	Lab 1 due
Week 2	Week 4		Bitmap to GIF, compression	Lab 2 due
	Week 5		GIF animation, transparency	Lab 3 due
	Week 6	Test 1	Review, Test 1	
Week 3	Week 7		JPEG, PNG	Lab 4 due
	Week 8		Editing tools, crop, resize	Lab 5 due
	Week 9		Editing tools, optimize	Lab 6 due
Week 4	Week 10		Erase Copy Clone	Lab 7 due
	Week 11		Layers, Text	Lab 8 due
	Week 12	Test 2	Review	
Week 5	Week 13		Paths, color balance	Lab 9 due
	Week 14		Video, Flash	Begin Lab 10
	Week 15	Test 3	Review	Capstone Lab 10 due
Week 6	Week 16	Final	Final (The FINAL EXAM IS DUE WELL BEFORE FRIDAY, check website for due date)	

Most labs and tests are due Friday, 11:59pm of the week mentioned.

The final exam is made up of three parts. All three parts must be completed with 2 hours of beginning.

Notes: