

SUNY Orange SYLLABUS

51120 Computer Graphics

Catalog Description:

Designed to introduce the student with no previous computer experience to the concepts used in building graphical approaches. These concepts are developed through hands-on experience in producing data tables, scientific graphs, charts, forms, text, drawings, pictures, brochures, etc. The student will become fluent in many powerful techniques, which will enhance opportunities for future work in any field. Course formerly numbered 51190.

1 lec, 2 lab, 2 credits

TEXT AND MATERIALS:

Text: Apple Works v5.0 for Macintosh, Adam Grief

*Optional: Mac is Not a Typewriter, by Robin Williams

ring notebook required with 2 to 2 1/2 " diameter ring. Pick a good one.

Grade: Notebook average counts as one test, keep organized

RELATIONSHIP TO PROGRAMS:

Most students will use as elective credit. But required in the Radiologic Technology Program, AAS. You should refer to the OCCC catalog, which contains complete, authoritative information.

COURSE OBJECTIVES:

The goal is to introduce the student to graphic computer applications. A student completing the course can use the five basic productivity computer application types. These are; Word Processing, Spreadsheet, Drawing, Data Base, and Charting. Some additional applications may be introduced such as sound, speech synthesis, outliner, Desk Top Publishing, 3-D draw and planner.

Grading System:

- Term Average
- Course Average 1/2 Laboratory Ave + 1/2 (Projects, Tests & Notebook) Ave

INSTRUCTOR OFFICE HOURS: -- TBA

ATTENDANCE AND WITHDRAWAL:

Perfect attendance is simply assumed in this course. Without such attendance and dedication to the homework one will not be successful. The student's grade will reflect any lack of attendance, simply because of the difficulty of the material. It is the student's responsibility to speak with the instructor and withdraw from the course if things are not going well. The instructor will **not** initiate the withdrawal. An early consult with the instructor can save a great deal of later confusion.

SUPPORT SERVICES:

Open Computer Lab. The computer room, Harriman Hall 309, is open for students at anytime. Open 40 hours a week plus Monday thru Thursday nights. It is an Open computer lab with no lectures given in the lab. So any unused computer is for student use.

There are services available for students with disabilities. Any such conditions should be communicated privately to the instructor on the first day of class so that any necessary special arrangements or accommodations can be made.

SYLLABUS

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<u>Lab</u>	<u>Subject</u>	<u>Doc</u>	<u>Assignment</u>
	<u>Commands</u>		
1	Word Processing Font, Size Style, Header	WP	Instruction Sheet
2	Draw polygon, select, duplicate	DR	Info & Logo Graphics: 'Shirts' & 'TypeWise'
3	Spread Sheet option/ Chart	SS	Info Graphics: Chart O Ring Data
4	DataBase: Create New DB w. Records	DB	Address Book
5	Chart Text & Num Data	SS	Info Graphics: Chart More O Ring Data

- 6 Word Processing WP Handout & Logo Graphics: Color Ad "Mobil"
Para: Align & Margins
- 7 Draw DR Info Graphics: 'Physics Bks'
Template, Group, Lock
- 8 Spread Sheet: Project SS
Financial Report Expressions, Fill Down
- 9 DataBase: Sort DB Requests, Food
Sort, Layout
- 10 Chart SS Compound Growth: DJIA, 100 years
Log Scale
- 11 Word Proc: Project WP, DB, SS Essay 3pg
Paragraph: Indents, Margins
- 12 Draw _____ DR _____ Info Graphics: House Floor Plan
Group
- 13 Spread Sheet SS Info Graphics: Radio Com & Dist
Integrated: SS & Calc
- 14 DataBase: Calculate DB
Billing Cost, Draw Layer
- 15 Draw Project DR Ship
_____ Reshape Polygon
- 16 Word Processing WP Tables, Paragraph Control
Tabs, Tables, Copy, Paste _____
- 17 Draw: Project DR Logo Graphics: Color Ad, "Internet Buck"
Polygon, Reshape
- 18 Spread Sheet SS Compound Growth: 2, 4, 8, 16% Interest
calculations, power
- 19 Data Base DB Addresses to Letter
Mail Merge
- 20 Presentation DR Presentation
Master page, Speech

- 21 Word Proc WP__ Web Page Version 1 4 pages
Text Only , Your info
- 22 Draw DR House Facade
Line Widths,Group,Lock
- 23 Spread Sheet SS Calculate:E&M Comm Dist, SETI
Col Width, = calc,
- 24 Data Base DB Business Cards & Mail Labels
New Layout, Labels, Sort 25
Draw WP DTP, Newsletter, Class Paper
Frame Links, Columns
- 26 Word Proc WP Web Page Project 4 pages Bookmarks, Links
HTML, URL's
- 27 Draw DR__ Color Advertisement
Gradient fills
- 28 Spread Sh & Chart_SS__ Visa v1 & Mortgage v2
Calculation, sum()
- 29 Visualization TR Fortner: Transform PPC "Weather-
Temper'res" HDF, Contour, Interpol'd
- 30 Spread Sheet SS Mortgage Amortization 'Stationary'
- 31 Word Proc WP Newsletter 'Stationary'
Columns
- 32 Virtual Reality VR 3-D WebsiteBuilder, Virtus Corp
VRML
- 33 Music/ Sound SS Trax, Musictime, Music Macroeditor, Sequencer
Music Scores, MIDI
- 34 Data Base DB Checkbook & Ledger DB 'Stationary'
Balance Check Book
- 35 Final Exam DR SS Logo & Info Graphics