CENTRAL TEXAS COLLEGE
INDUSTRIAL TECHNOLOGY DEPARTMENT
SYLLABUS FOR GRPH 1459
VECTOR GRAPHICS FOR PRODUCTION

SEMESTER HOURS CREDIT: 4

INTRODUCTION

A. A study and use of vector graphics for production. Students will compare the capabilities and functions of basic drawing tools in vector applications and develop graphics for production.

B. Vector Graphics for Production (GRPH 1459) is a required course for the completion of a two year Associates of Applied science Degree in Graphics and Printing or a Level I or Level II certificate of Completion in the Graphics and Printing Technology Program.

C. This course is occupationally related and serves as a preparation for a career in the Graphics and Printing career field.

D. Prerequisites: None

E. Alphanumeric coding used through this book denotes integration of SCANS occupational competencies (C1, etc.) and Foundation skills (F1, etc.).

LEARNING OUTCOMES

Upon successful completion of this course, Introduction to Graphic Arts and Printing Technology, the student will:

A. Identify the capabilities and functions of drawing, transformation and shape tools in Adobe Illustrator
B. Demonstrate skills in the use of vector specific capabilities for typesetting
C. Show efficient planning and file organization techniques
D. Apply conceptual planning techniques in the development of graphic design pieces
E. Analyze production problems encountered and recommend solutions
F. Apply skills in the combination of bitmapped and vector elements to create design work
G. Distinguish between, and correctly apply, the various color models for print and web-based projects
H. Demonstrate knowledge of advanced tools in Adobe Illustrator such as custom patterns, clipping paths, symbols, graphic styles and various effects including 3D...
I. Decide when vector graphics will be the appropriate solution for a specific graphic design project

INSTRUCTIONAL MATERIALS

Instructional materials for this course can be found at www.ctcd.edu/books
Supplemental Reading: As assigned by the instructor. Audio – Visual Aids: See resource list at end to this module book. Other instructional material: as selected by the instructor.

COURSE REQUIREMENTS

A. This course is being taught in a self-paced mode. It differs from the traditional college course in that you are allowed to work on your own and at your own speed with limitation. This course is 96 clock hours in length. The student may set his/her own schedule within the time frame the course if offered. You must attend class on the days and at the times you selected when you enrolled in the course.

You will have an assigned instructor. If at any time you do not understand a reading assignment, audio visual presentation or lab work, ask your instructor for assistance.

This module book is designed to inform you of the sequence in which this course will be presented. You must follow this sequence and you must do what the module book says. It contains reading assignments, written assignments, audio visual presentations and lab assignments that you must complete or watch. Written assignments will be turned in as directed by the instructor. You must let your instructor know when you are ready to do a learning activity, performance exam or take a scheduled exam.

B. The student must take notes when viewing filmstrips, slides, or videos. Exams may be taken from audio visual aids, reading and lab assignments. If the Instructor gives notes or handouts are given to you, you must study them; exams may be taken from these notes also.

C. The Instructor may give written assignments or “pop” quizzes as deemed necessary.

D. Performance Exams: After each exam, students will clean all tools and equipment that they use and properly store them and clean their work area after the completion of each task. See the Laboratory Learning Activity (Lab Sheet) for a complete list of performance exam requirements.

Certificate Students: All lab work will be completed on an individual basis. The student will receive a “pass” or “fail” on the task. Students who fail to complete a
task correctly to industry standards must repeat the task. The instructor will date
and initial each performance exam task as it is satisfactorily completed. NOTE: Students who have selected the alpha-numeric grading system will be graded as outlined for degree students (see below).

Degree Students: Laboratory tasks (performance exam) will be completed on an individual basis except when limited by tools and/or materials. Each performance exam is worth a maximum of 7.1 points. The maximum lab grade is 100 points. The instructor will deduct points from each lab task score for failure to follow safety precautions and/or a failure to complete the project to industry standards. The instructor will date, initial, and post the points earned for each performance exam as it is completed.

E. The following is part of the course requirements: Each student will assist in lab cleanup at the close of the evening classes and will assist in unloading and storing supply shipments. Failure to do so will result in a failure to complete all course requirements and the student could receive an “F” or “N” for the course.

F. There will be six (6) written examinations in this course (5 module/unit exams and an exit exam). All written exams must be completed before taking the performance exam for each module. The exit exam is a comprehensive exam that covers the entire course. Certificate students must score 70% on the exit exam. Certificate students will be allowed to take the exit exam a maximum of three (3) times. Failure to achieve a 70% score on the exit exam in three (3) tries will result in an “N” for the course and the student must retake the course. Degree students should refer to the “grading” section of this outline for guidance.

G. The student must complete written assignments to receive a grade. Written assignments for each unit will be turned into the instructor prior to starting performance exams for that module. Degree students must complete reading and written assignments at home.

H. If you have special needs because of learning disabilities or other kinds of disabilities, please feel free to discuss this with the instructor. The instructor will attempt to meet your needs with the assistance of counselors, tutors, and the Disabilities Services Office. Program/course integrity will not be sacrificed. Students must meet all course requirements.
GRADING

Certificate Students: Students will be graded using the standard Skills Center “Pass-Fail” system used for self-paced programs. To satisfactorily complete the written exams, the students must score 80% on tests (except the exit exam, 70%). Students who fail to make the 80% on any exam (except the exit exam) must retake the exam. The current test retake policy will apply to all certificate students. The student must satisfactorily complete all written and performance exams to receive a passing grade (“P”).

Degree Students: Students will be graded using an “alpha-numeric” system as outlined below. Grades made on performance and written exams will be the grade received, including the exit exam. Students will not be allowed to retake written exams or redo performance exams.

A. Written exams: Average of written exams will count 40% of the final grade.

B. Completion of written assignments/activities will count 10% of the student’s final grade.

A. Performance Exams (Lab Work) will count 50% of the final grade.

D. Grade Computations: (Example)
Written Exam Scores: (There will be 3 written exams)
Exam 1  90
Exam 2  80
Exam 3  70
\[ \frac{240}{3} = 80 \] (Average Written Exams)

Written Exam Score Average  \( 80 \times 40\% = 32 \) points
Written Assignments  \( 100 \times 10\% = 10 \) points
Performance Exam Score  \( 80 \times 50\% = 40 \) points

Total = 82 points = B
ADDITIONAL COURSE INFORMATION

A. **COURSE WITHDRAWAL:** It is the student’s responsibility to officially withdraw from a course if circumstances prevent attendance. Any student who desires to, or must, officially withdraw from a course after the first scheduled class meeting must file a Central Texas College Application for Withdrawal (CTC Form 59). The withdrawal form must be signed by the student.

CTC Form 59 will be accepted at any time prior to Friday of the 12th week of classes during the 16-week fall and spring semesters. The deadline for sessions of other lengths is:

- 10-week sessions Friday of the 8th week
- 8-week sessions Friday of the 6th week
- 5-week sessions Friday of the 4th week

The equivalent date (75% of the semester) will be used for sessions of other lengths. The specific last day to withdraw is published each semester in the Schedule Bulletin.

A student who officially withdraws will be awarded the grade of “W” provided the student’s attendance and academic performance are satisfactory at the time of official withdrawal. Students must file a withdrawal application with the College before they may be considered for withdrawal.

A student may not withdraw from a class for which the instructor has previously issued the student a grade of “F”, “N”, “FN”, or “XN” for nonattendance.

B. **Administrative Withdrawal:** An administrative withdrawal may be initiated when the student fails to meet College attendance requirements. The instructor will assign the appropriate grade on CTC Form 59 for submission to the registrar.

C. **Incomplete Grade:** The College catalog states, “An incomplete grade may be given in those cases where the student has completed the majority of the course work but, because of personal illness, death in the immediate family, or military orders, the student is unable to complete the requirements for a course…” Prior approval from the instructor is required before the grade of “I” for Incomplete is recorded. A student who merely fails to show for the final examination will receive a zero for the final and an “F” for the course.

D. **Cellular Phones:** The use of a cell phone or any cellular option to include but not limited to text messaging, gaming, or photographing during class periods is prohibited. Cell phones will be turned off prior to entering the Building Trades Lab’s or Testing Area. Exceptions must be approved by the Building Trades Instructor.
E. **American’s With Disabilities Act (ADA):** Disability Support Services provide services to students who have appropriate documentation of a disability. Students requiring accommodations for class are responsible for contacting the Office of Disability Support Services (DSS) located on the central campus. This service is available to all students, regardless of location. Explore the website at [www.ctcd.edu/disability-support](http://www.ctcd.edu/disability-support) for further information. Reasonable accommodations will be given in accordance with the federal and state laws through the DSS office.

F. **Instructor Discretion:** The instructor reserves the right of final decision in course requirements.

G. **Civility:** Individuals are expected to be cognizant of what a constructive educational experience is and respectful of those participating in a learning environment. Failure to do so can result in disciplinary action up to and including expulsion.

H. Absence from the class may be unavoidable in some situations. These include illness, military/civilian job requirements, or a death in the immediate family. Documentation is required in the case of excused absences for job requirements. Excuses will be on company letterhead stationary signed by the immediate supervisor stating the reason for the absence for civilian jobs. Excuses for military personnel must be signed by the 1st Sergeant or the Company Commander. **NOTE:** This does not apply to VA, VA/VOC, or Financial Aid students. There are no excused absences for these students. Talk to your funding agency if you have questions.
FIRST CLASS MEETING

A. The instructor will introduce the course and show the student the textbook.

B. The instructor will verify the class enrollment form.

C. The instructor will have the student read and sign the course requirement sheets.

D. The instructor will discuss the following topics with the student:
   1. Course requirements, objectives and how the course works
   2. Policy letters
   3. Student handouts
   4. Lab sheet and lab work (Enabling tasks, Performance exams, Competency profile)
   5. Exam, grading, reading and written assignments
   6. Absences
   7. Shop/classroom cleanup – tools
   8. Dress code
   9. Sign-in computer
   10. Course outline/fact sheets/student handouts
   11. Hazardous communications/MSDA information
   12. Shop safety